Honeywell

Multi-Site 4200

Remote Viewing Software

User Guide

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User Guide

Revisions

Issue	Date	Revisions
A	07/2012	New document.
V1 Rev A	09/2012	Updated the description of the Advanced Network settings in Table 4-5, and changed the screen shot in Figure 4-8.

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1

Introduction

This chapter gives a brief description of the Multi-Site 4200 software and its running environment.

Description

Multi-Site 4200 is a video management software that provides centralized management for a network a network of DVRs across a local or wide area network. With a wide variety of configuration modules, Multi-Site 4200 offers system scalability, supporting small to large surveillance applications. It offers a comprehensive feature set with functions such as simultaneous live view and playback of cameras from different sites, real-time monitoring, file backup, and many other features.

This user manual describes the function, configuration and operation steps of the Multi-Site 4200 software. To ensure the proper usage and stability of the software, please refer to the contents below and read the manual carefully before installation and operation.

Operating Environment

Operating system Microsoft Windows 7, Windows 2008 (32/64-bit operating system), Windows 2003/2000/Windows XP (32-bit operating system).

CPU Intel Pentium IV 3.0 GHz or above.

Memory 1G or above.

Display 1024x768 or above.

Note To simultaneously view many live channels, or for viewing a channel with high resolution, the higher quality operating hardware is needed.

The Multi-Site 4200 software does not support a 64-bit operating system; the above requirements that mentioned a 64-bit operating system refer to the operating system which supports a 32-bit operating system as well as a 64-bit operating system.

2

Getting Started

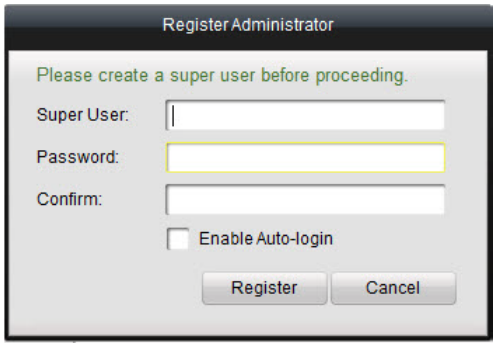
This chapter describes getting started with the Multi-Site 4200 software, including:

- User registration
- User login
- Account management

User Registration

For first time use of the Multi-Site 4200 software, you need to register a super user for login.

Figure 2-1 Administrator Registration



Enter the **Super User** name, **Password** and **Confirm** the password in the dialog box and click **Register**. Then, you can log in as the new super user.

Note The Enter, Space, and TAB keys are invalid for use in the user name and password. The password cannot be empty, and it should not be less than six characters. The password cannot be copied and pasted.

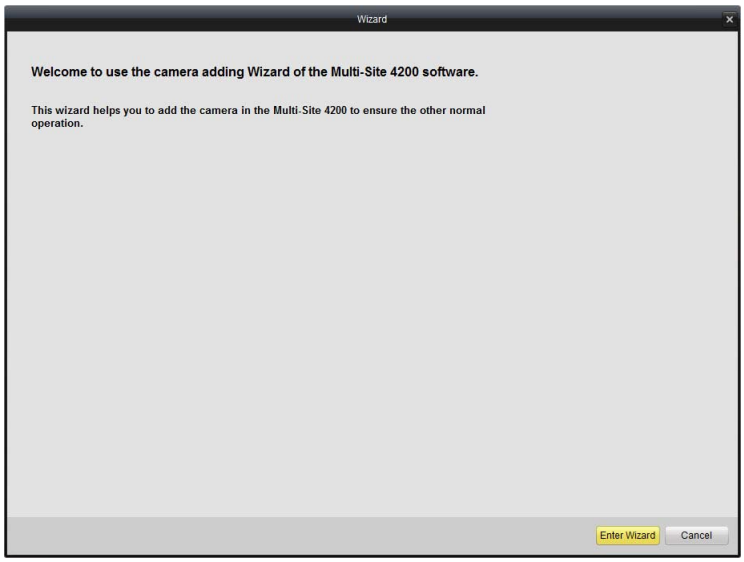
Importing Device Wizard

Purpose:

The main function of the Multi-Site 4200 software is to manage network devices remotely. The most common task is to register the device to the management list.

For a first time user, the wizard message box opens to ask you if you want to be guided through the basic operation of the client software.

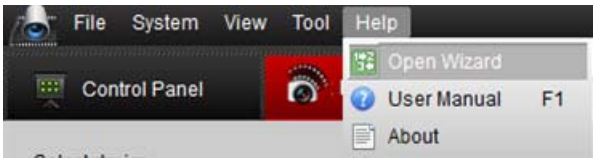
Figure 2-2 Starting Device Wizard


Wizard
Welcome to use the camera adding Wizard of the Multi-Site 4200 software.
This wizard helps you to add the camera in the Multi-Site 4200 to ensure the other normal operation.
Enter Wizard
Cancel

Click Enter Wizard to start the wizard, or click Cancel to exit the wizard.

If this is not the first time you are using the client software, the wizard will not pop up. You can also use the wizard, click **Help** menu ➤ **Open Wizard**.

Figure 2-3 Help Menu Open Wizard

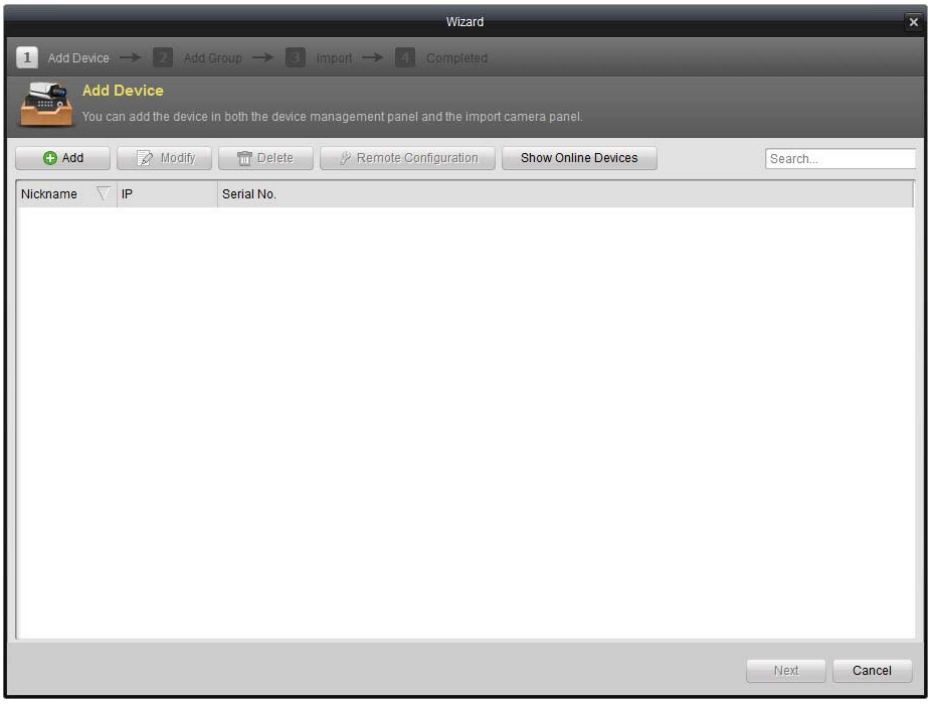


The wizard displays hints to guide you through the setup process.

Steps:

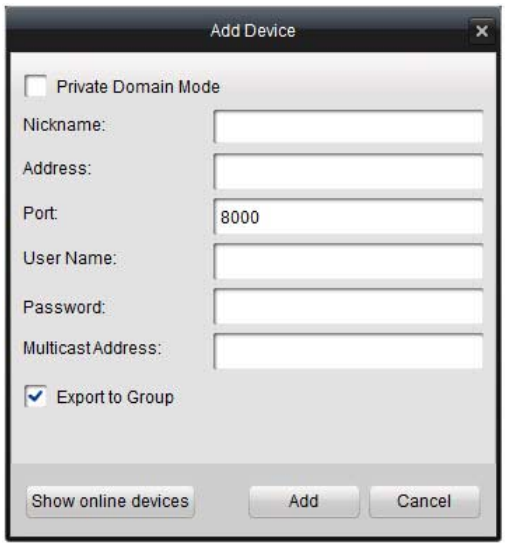
1. Click Add to add devices to the software's management list.

Figure 2-4 Adding Device to Management List



2. Enter a **Nickname** for the device.
3. Enter the IP **Address**, **Port** number, **User Name**, and **Password** of the device.

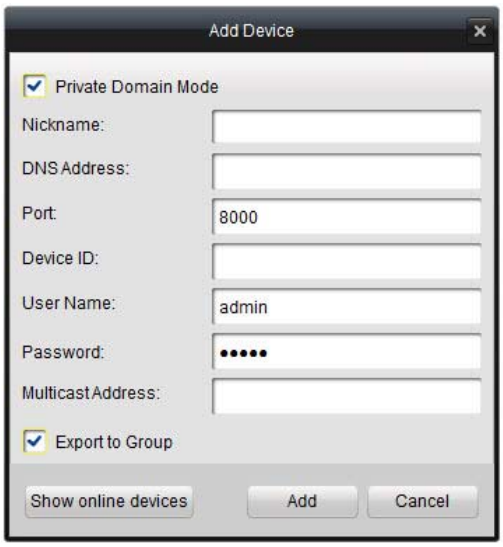
Figure 2-5 Add Device Window



4. Click **Add** to add the device.

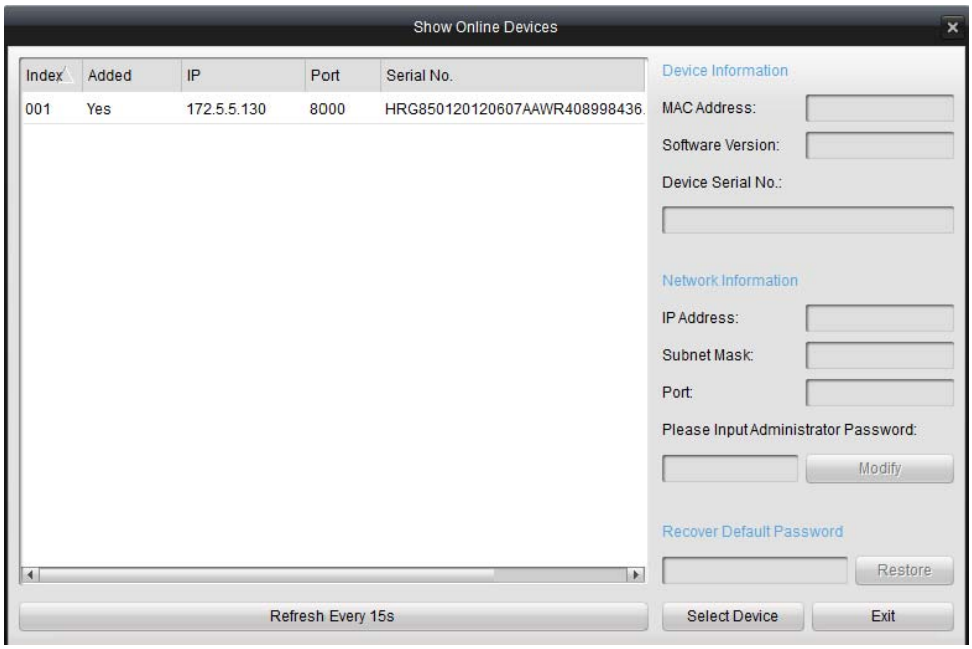
   If you add a device with a domain name, you can select the **Private Domain Mode** checkbox. Create a **Nickname**, and enter the domain name, and **Port** number. Enter the *admin* name and **Password** of the device to add the device.

Figure 2-6 Add Device with Domain Name



You can also click Show online devices to show a list of the devices connected to the Local Area Network.

Figure 2-7 Show Online Devices Window



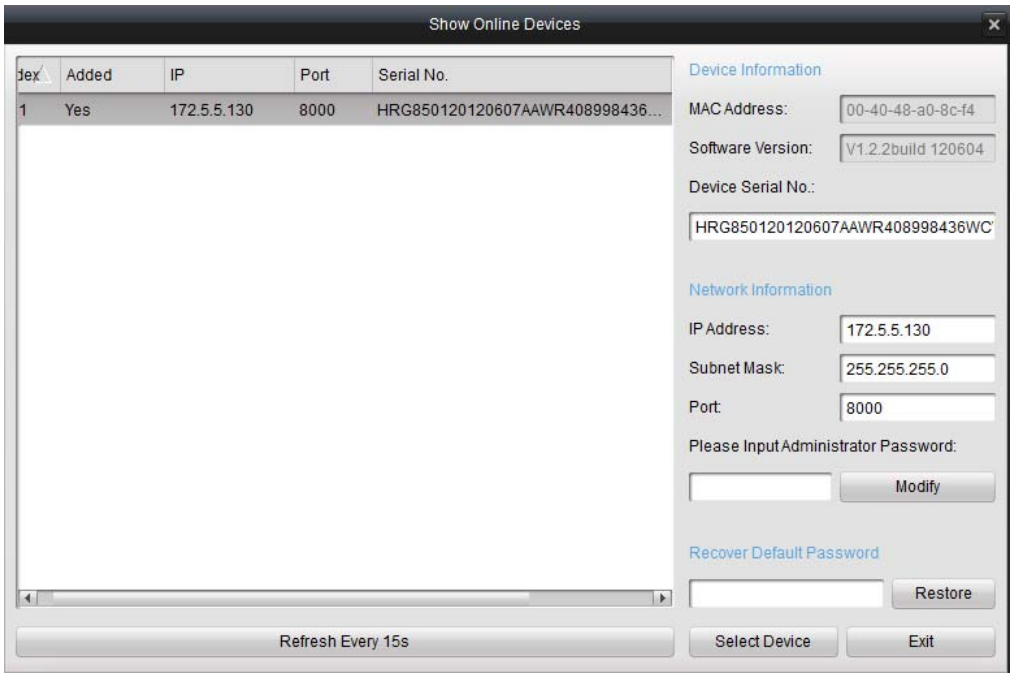
Adding the Active Online Devices

Steps:

1. Select the device in the device list.
2. Click Select device.

   Device information (such as the MAC address, the software version, and the serial number) appears in the right-hand Device Information pane. The information in this pane cannot be modified.

Figure 2-8 Network Information on Show Online Devices Window



Configuring the Network Information

In the **Network Information** area, you can modify the **IP Address**, the **Subnet Mask** and the **Port** number. You will be required to enter the admin password of the device to change these settings.

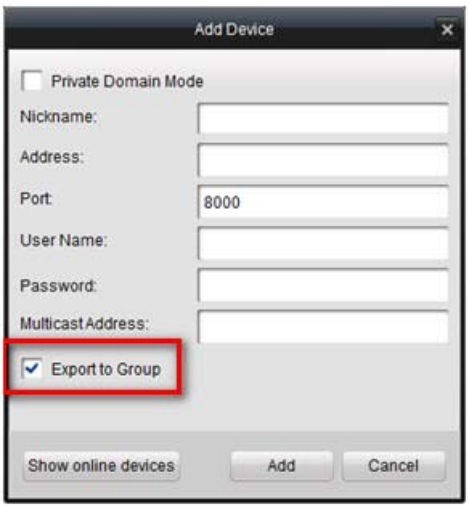
Recovering the Default Password for the Device

You can also recover the default password for the device by entering in the **Recover Password Default** field the code provided by the authorized engineers. See *Figure 2-8*.

Adding a Camera Group

When adding a device, you can check the **Export to Group** checkbox to export the device you added to a certain camera group. By default, the name of the group is the same as the name of the device you just added.

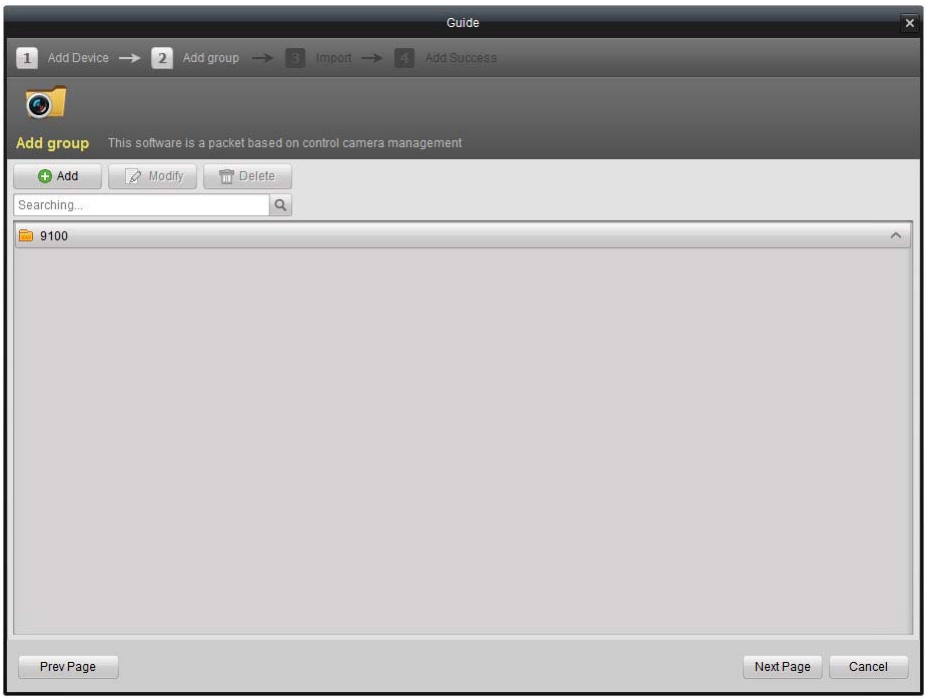
Figure 2-9 Export to Group when Adding a Device



You can customize the camera to be selected for the group and/or customize the group name.

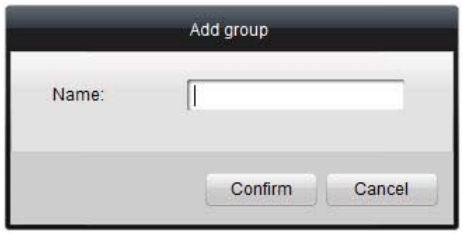
1. Uncheck the **Export to Group** checkbox.
2. Click **Next page** on the Wizard window (see *Figure 2-4*), to enter the Add window.
3. Click Add to add a group. Click **Modify** to change the settings for the new group.

Figure 2-10 Add Groups with Wizard



4. Click **Add** in the **Group** dialog box. Enter the name of group and then click Confirm to save your settings. The added group appears in the list.

Figure 2-11 Add Group Window



Importing Channels to a Group

1. Click **Next** on the Add Group window (see *Figure 2-10*) to open the Import Channels window (see *Figure 2-12*).
2. Select a channel or channels to import to the group, then click Import. The selected channel(s) appear in the group on the right.

   You can select channels by:

   a. Clicking an individual camera.

   b. Holding down CTRL and clicking multiple cameras.

   c. Clicking the mouse and dragging to select multiple cameras.
3. Click **Import** to import the selected channels to the Group on the right.

Figure 2-12 Import Channels Window

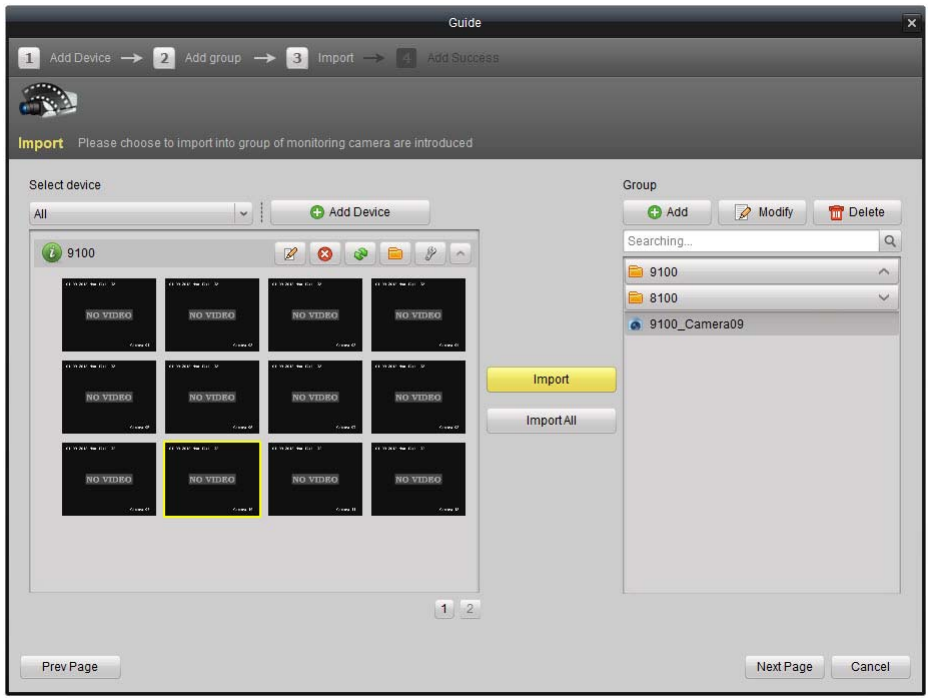
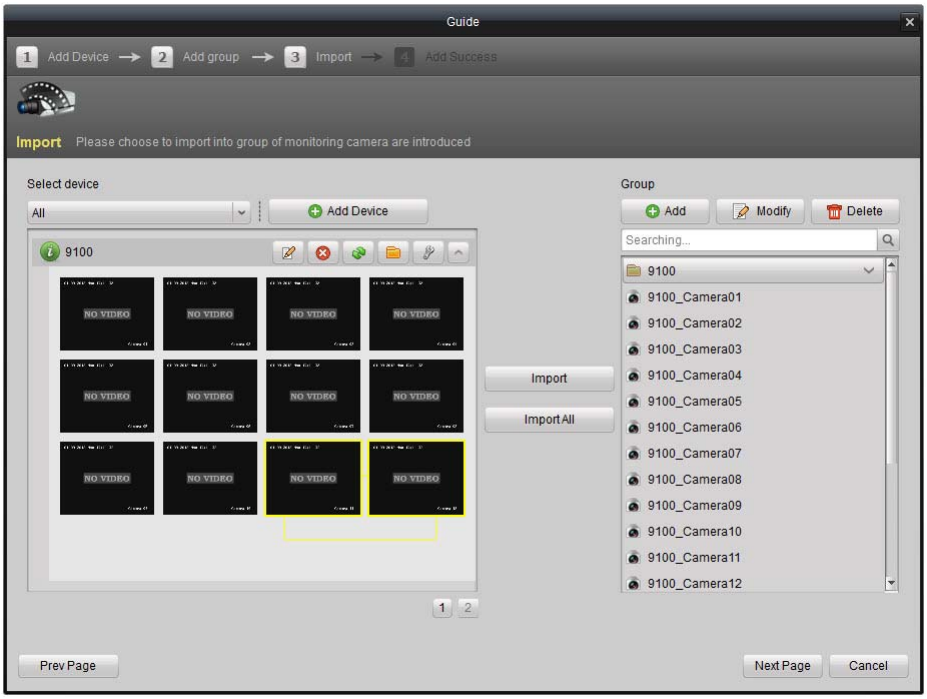


Figure 2-13 Importing Multiple Channels



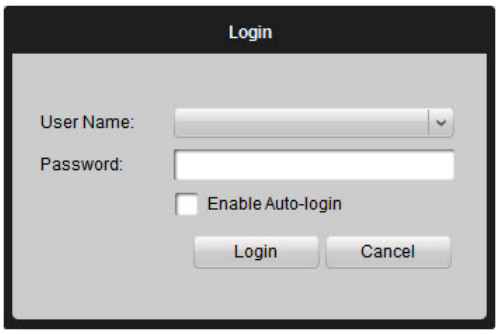
Notes:

- You can only add devices that are currently online.
- A channel can be added to different groups.
- Up to 256 groups can be added, and 64 channels can be added to each group, with a maximum of 1024 channels for all the groups.
- After importing the selected channels to the group, you can return to the control panel and then enter the Main View window to get a live view of the added channels.

User Login

When you open the Multi-Site 4200 software after registration, the login dialog box appears (see *Figure 2-14*, below).

Figure 2-14 Login Window



Input the **User Name** and **Password**, and then click **Login**.

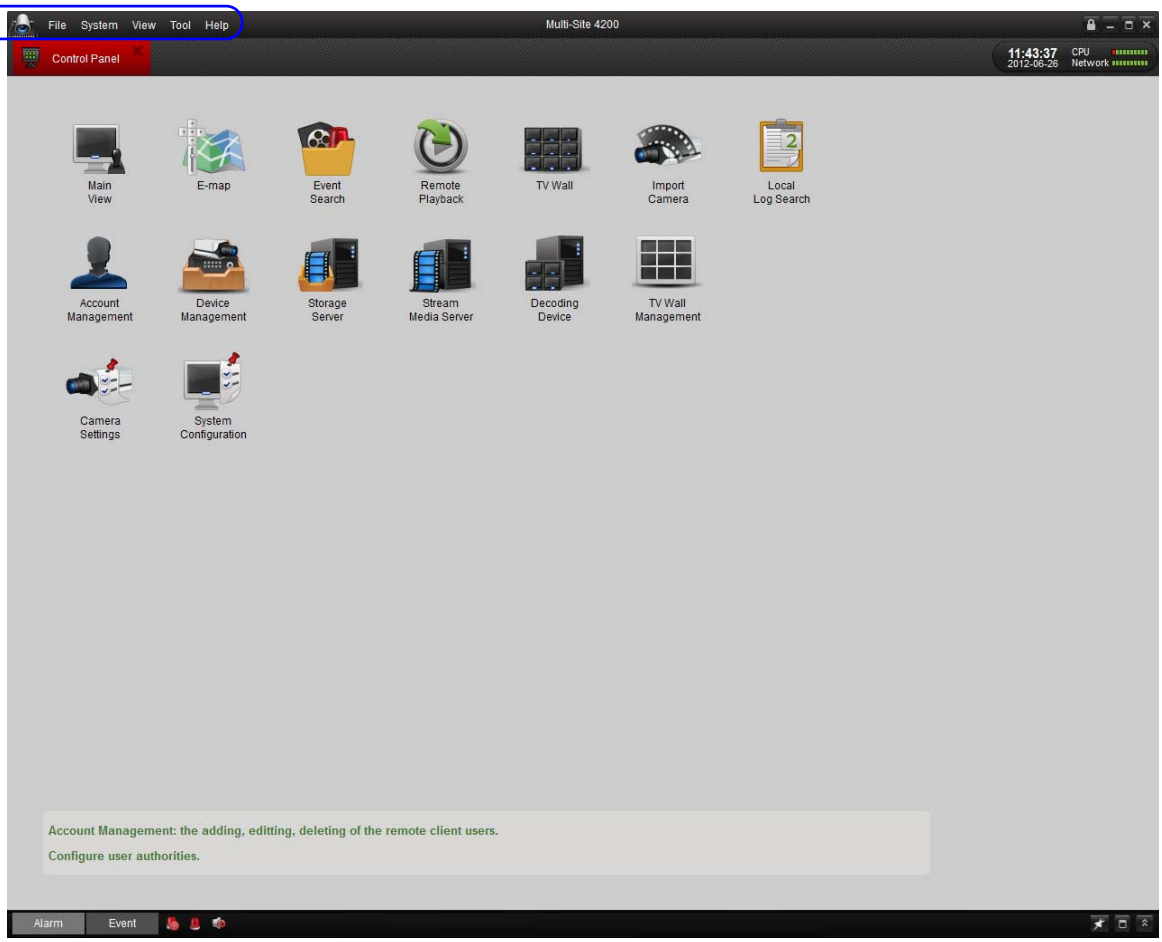
Check the **Enable Auto-login** checkbox to enable auto-login.

Note With auto-login enabled, the user name and password are not needed the next time you login.

Control Panel and Main Menu Overview

The main control panel of the Multi-Site 4200 is shown in *Figure 2-15*, below.

Figure 2-15 Control Panel and Main Menu



Note Not all modules shown above are supported with the HRG DVR. See *Table 2-2* on *page 28* to see what modules are and are not supported.

Menu Bar

Table 2-1 Menu Bar Overview

Menu	Option	Description
File	Open Captured Picture	Enter the Capture window to browse the folder in the host PC for the exported captured picture file(s) and view the pictures.
	Open Video File	Open the video player and browse for the folder location of the exported video file(s). Click to browse the folder in the host PC for the record files. You can also capture pictures when playing the video file.
	Open Log File	Enter the Log File window to browse the folder in the host PC for the exported log file(s).
	Exit	Exit the Multi-Site 4200 remote client.

Table 2-1 Menu Bar Overview (cont'd)

Menu	Option	Description
System	Lock	Lock the screen operation. You must log in after locking the system.
	Switch User	Switch login user.
	System Configuration	Enter the System Configuration window.
	Import Configuration File	Import a client configuration file from your PC.
	Export Configuration File	Export a client configuration file to your PC.
View	1024 x 768	Configure the size of the display window to 1024 x 768.
	1280 x 1024	Configure the size of the display window to 1280 x 1024.
	Full Screen	Configure the size of the display window to full screen.
	Control Panel	Enter the Control Panel.
	Main View	Enter the Main View window.
	E-map	Enter the E-map window.
	TV Wall	Enter the TV Wall Setting window.
Tools	Import Camera	Enter the Import Camera window.
	Camera Settings	Enter the Camera Setting window.
	Account Management	Enter the User Account Management window.
	Device Management	Enter the Device Management window.
	Broadcast	Select a device for broadcasting.
Help	Open Wizard	Use the guide for importing cameras.
	User Manual (F1)	Click to open the User Manual. You can also open the User Manual by pressing F1 on your keyboard.
	About	View information about the client software, including the company name, the software name, and the version.

Control Panel Icons

There are 14 icons on the control panel. *Table 2-2* describes their functions and indicates whether they are or are not supported by HRG. .

Table 2-2 Control Panel Icons Overview

Grouping	Icon	Description
Operating Options	**Main View (supported)**	View live video and playback recorded files and other operations (for example: picture capture, recording, and PTZ control).
	E-map (supported)	Manage and display E-Map and hot areas and spots. Realize E-Map operation (for example: operate map zoom in/out, view hot spot, and so on).
	Event Search (not supported)	Search and playback the event recorded files. Realize playback operation.
	Remote Playback (supported)	Playback the recorded video and/or audio files in the remote client.
	TV Wall (not supported)	Configure channel decoding and show them on the TV wall.
	Import Camera (supported)	Add, modify, or remove camera groups. Import/export cameras.
	Local Log Search (supported)	Search, view, and backup local logs (alarm, operation, system logs).
Management Options	**Account Management (supported)**	Add, modify, or remove the user account parameters. Assign operating permission to each user.
	Device Management (supported)	Add, modify, or remove the DVR device. Configure theparameters (for example: network, alarm input/output, and HDD) for the added DVR.
	Storage Server Management (not supported)	TBD
	Stream Media Server (not supported)	TBD
	Decoding Device (not supported)	TBD
	TV Wall Management (not supported)	Add, modify, and delete the TV wall.
Configuration Options	**Camera Settings (supported)**	Configure camera parameters (for example: image quality, record schedule, and motion detection).
	System Configuration (supported)	Configure the general parameters (for example: saving path of files, alarm sound, and Email).

Account Management

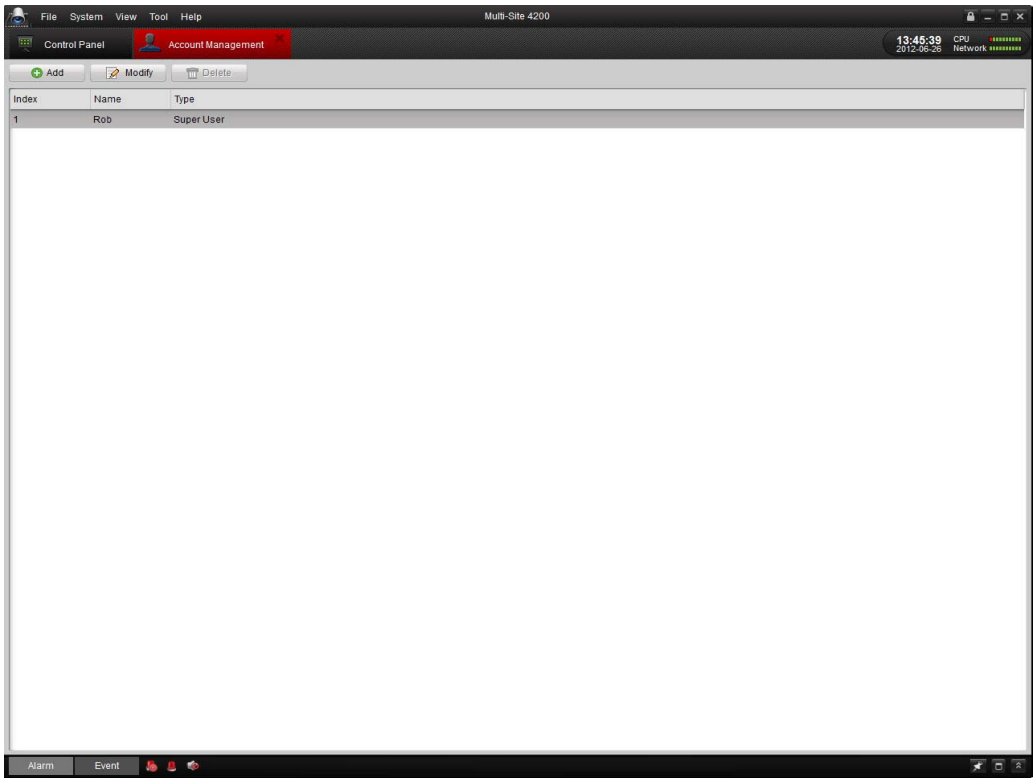
Purpose:

Many user accounts can be added in the Multi-Site 4200 client software. Different permissions can be granted for the different users.

Steps:

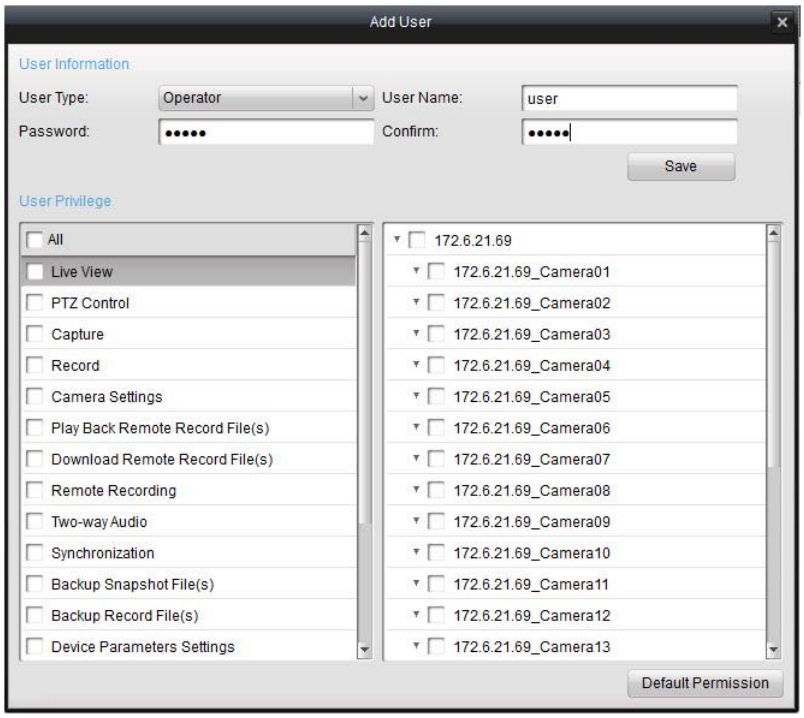
1. Click **Account Management** to enter the account management window (see *Figure 2-16*).

Figure 2-16 Account Management Window



2. Click Add to open the pop-up Add User dialog box (see *Figure 2-17*, below).

Figure 2-17 Add User Dialog



User Information

User Type Select to assign one of two different user types (Administrator and Operator) from the drop-down list to create the users with different privileges.

User Name and Password Customize each user's login user name and password.

User Privileges

Select from 27 operating privileges for each user. You can also assign camera access privilieges.

Note The Administrator user has all the privileges by default. The operator user's privileges should be selected from the list. All the selected privileges take effect immediately.

Note Only users with **Administrator** as the **User Type** can be granted the privilege to select **Quit** to close the Multi-Site 4200 application. Users with **Operator** as the **User Type** are not given the privilege to select **Quit**.

Multiple Administrator users can be created. The privileges for each user can be selected or de-selected.

3

Connecting and Local Management

This chapter describes how to connect and locally manage DVRs and network cameras with the Multi-Site 4200 software. It describes how to:

- Add and/or Find Online Devices
- Navigate the Live View Gui
- Control PTZ Cameras
- View Alarms and Events
- Local Record, Capture, and Playback
- Configure E-maps

Before you Start

Before any operation, you need to add a device and import cameras. There are many ways to add the device in the management list. You can also add devices by following the wizard guide.

See *Importing Device Wizard, page 18*, for more information.

This chapter introduces the connecting and management of the devices.

Device Adding and Management Window

Adding a Device

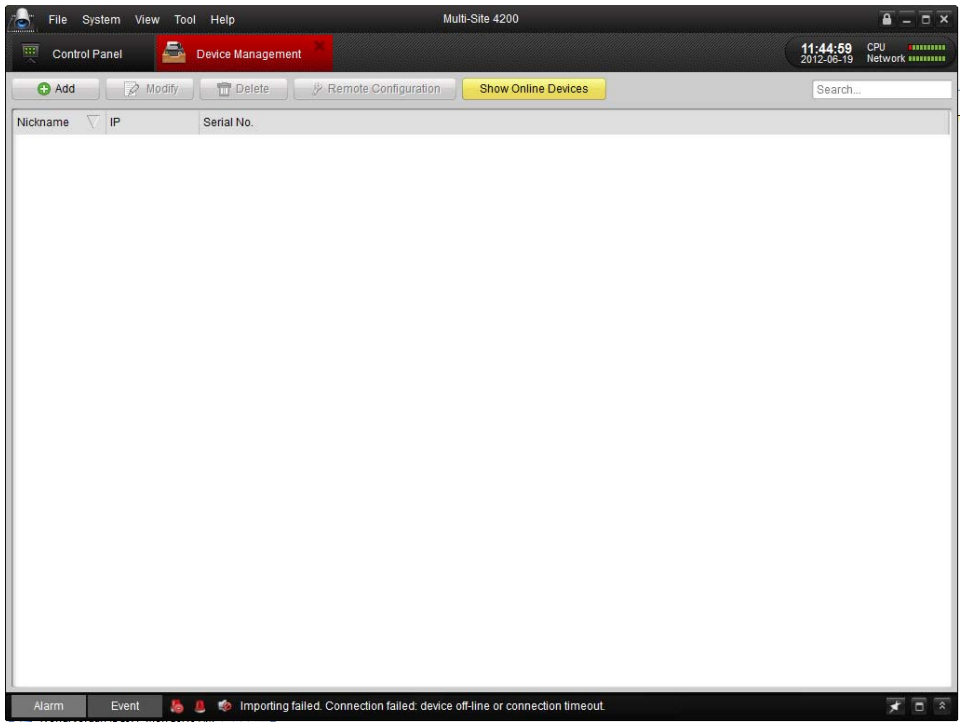
Steps:

1. Click

to enter the device management window (see *Figure 3-1*).
2. Click

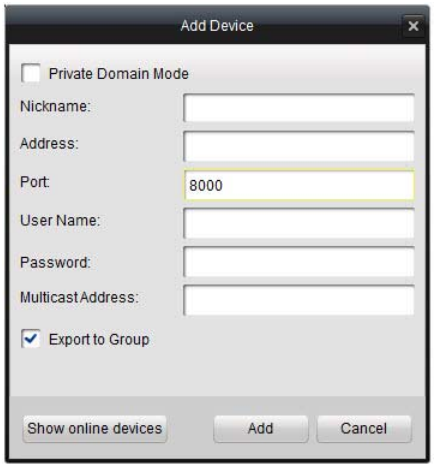
in the Device Management window.

Figure 3-1 Device Management Window



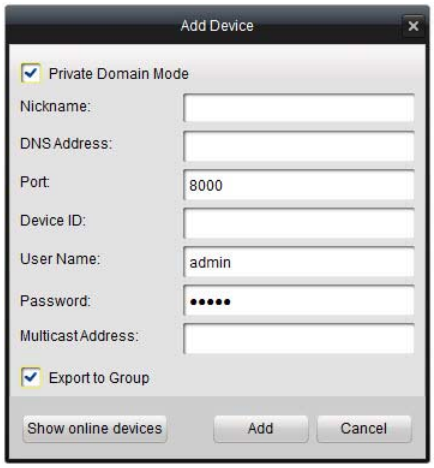
3. Create a **Nickname** for the device and then enter the other necessary information (see *Figure 3-2*). The User Name and Password are *admin* and *12345* respectively, and the port number is *8000* by default.

Figure 3-2 Add Device Dialog



4. If you check the **Private Domain Mode** checkbox, you should enter the **DNS Address** and **Device ID** as well.

Figure 3-3 Add Device with Private Domain Mode



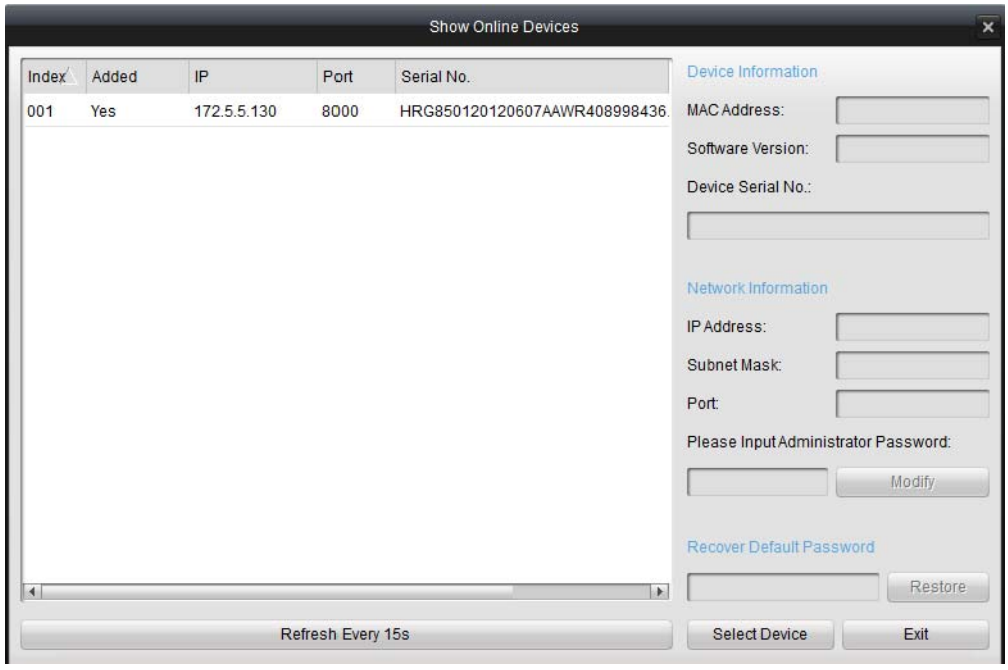
Searching for Active Online Devices

The Multi-Site 4200 also provides the searching the active online devices function.

Steps:

1. Click **Show Online Devices** (see *Figure 3-3*) to search the online devices. All the online devices will be searched and displayed on the Show Online Devices window.
2. Select the online devices you want to add, and then click Add to add the device.
3. Enter the **Nickname**, the **User Name** and the **Password** of the device and click **Add** to add it to the management list.

Figure 3-4 Show Online Devices Window



Devices in the list include the following information:

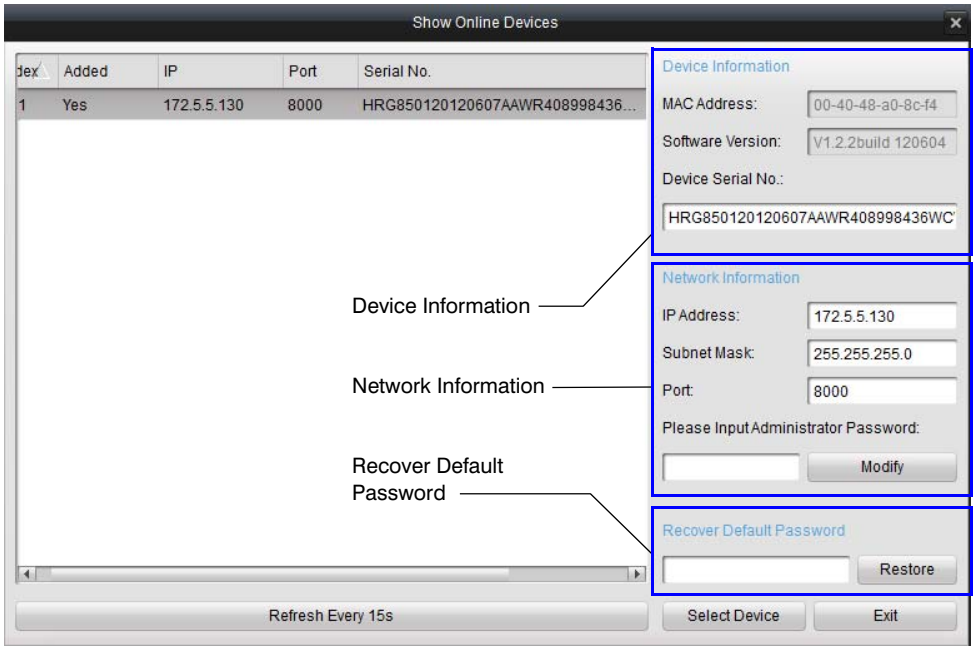
- **Index** shows the numbers of the devices found.
- **Be Added** status shows the adding status of the device. If the device is already added in the management list of the software, *Yes* is shown in this list.
- **Device Type** lists the device type, whether it is a camera, a DVR and so on.

Options when Showing Online Devices

Steps:

1. Select a device in the device list. The **Device Information** (such as the MAC address, software version and serial number) is shown in the right-hand area (see *Figure 3-5*). The information in this pane cannot be modified.
2. In the **Network Information** area, you can modify the **IP Address**, **Subnet Mask** and the **Port** number. You will be required to enter the Admin password of the device in order to modify these fields.
3. You can also recover the default password for the device by entering the code provided by the authorized engineers in the **Recover Default Password** field.

Figure 3-5 Show Online Devices Window Sections



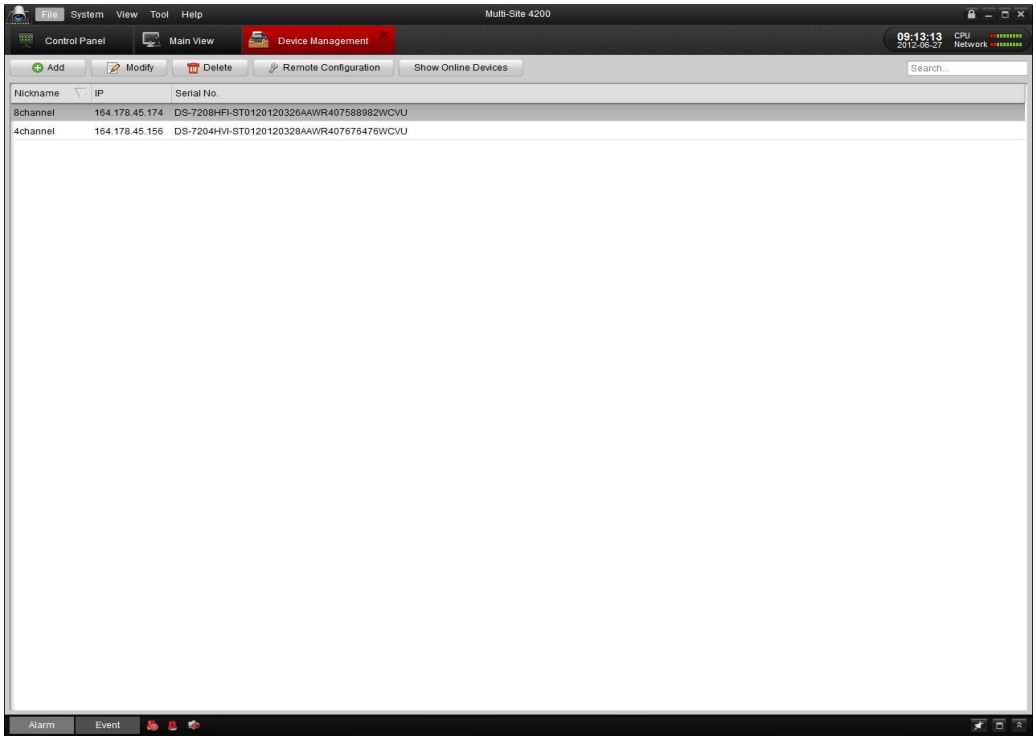
Configuring a Device

After adding the device, use the following procedures to configure the device.

Steps:

1. Click the device name to select the device in the **Device Management** window.

Figure 3-6 Device Management Window with One Device

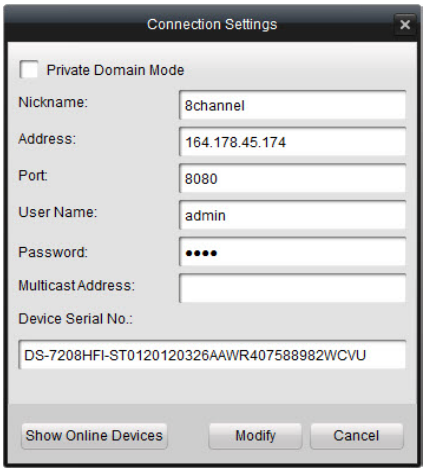


2. Click Modify to edit the device basic information (such as device name and address).

   -Or-

   Double-click the device to modify it.

Figure 3-7 Connection Settings Dialog



3. Click Delete icon to delete the selected device and you can also configure the settings of the device by clicking Remote Configuration.

For the detailed procedures of remote configuration, please refer to *Remote Device Management and Configuration, page 75*, for more information.

Adding a Camera Group

A camera group must be added to use live view and other operations. After adding the device, please return to the control panel window.

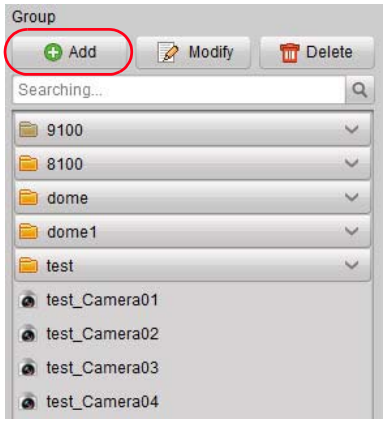
Click

to enter the **Camera Group Configuration** window.

Steps:

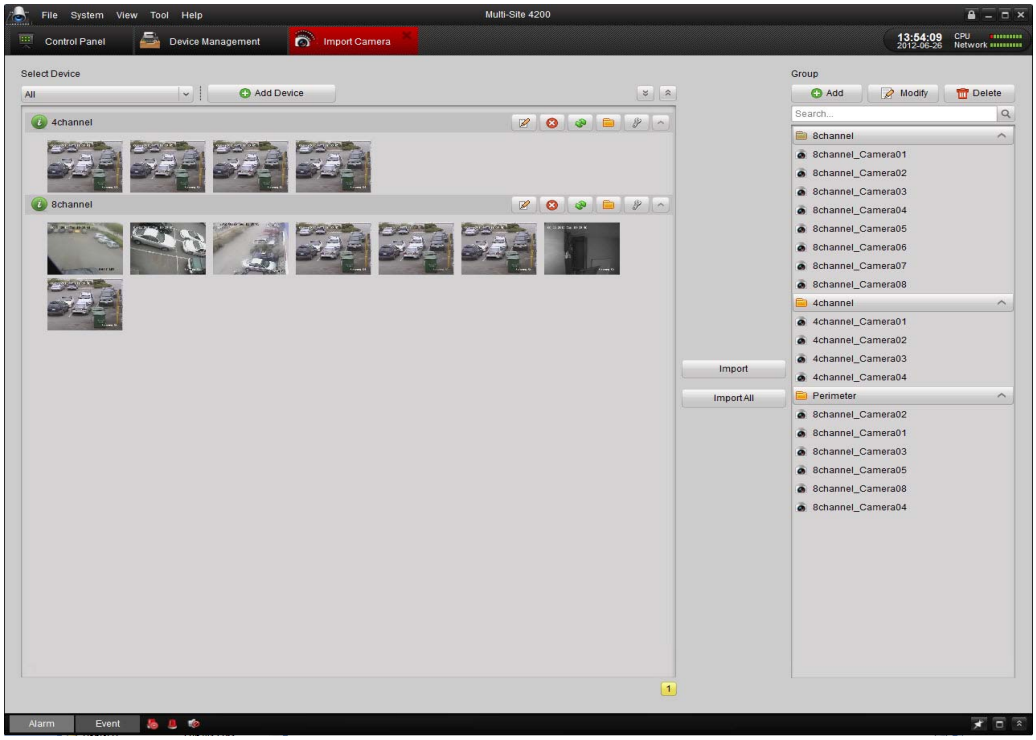
1. Click **Add** to create a group in the right-hand area (see *Figure 3-8*).

Figure 3-8 Group Area in Import Camera Window



2. Select the camera in the left area, and then click Import or Import All to add the cameras to the group. You can also hold the Ctrl key and select multiple channels or drag and select the channels to import them.

Figure 3-9 Import Camera Window



Live Viewing

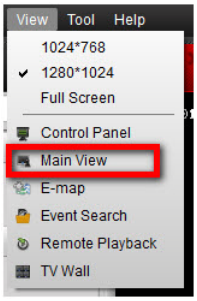
Before you start:

A camera group is required to be defined before you can use live view. For information on the grouping operation, see *Adding a Camera Group on page 36*. The group name will be shown in the group list on the left-hand pane.

Entering the Live View Window

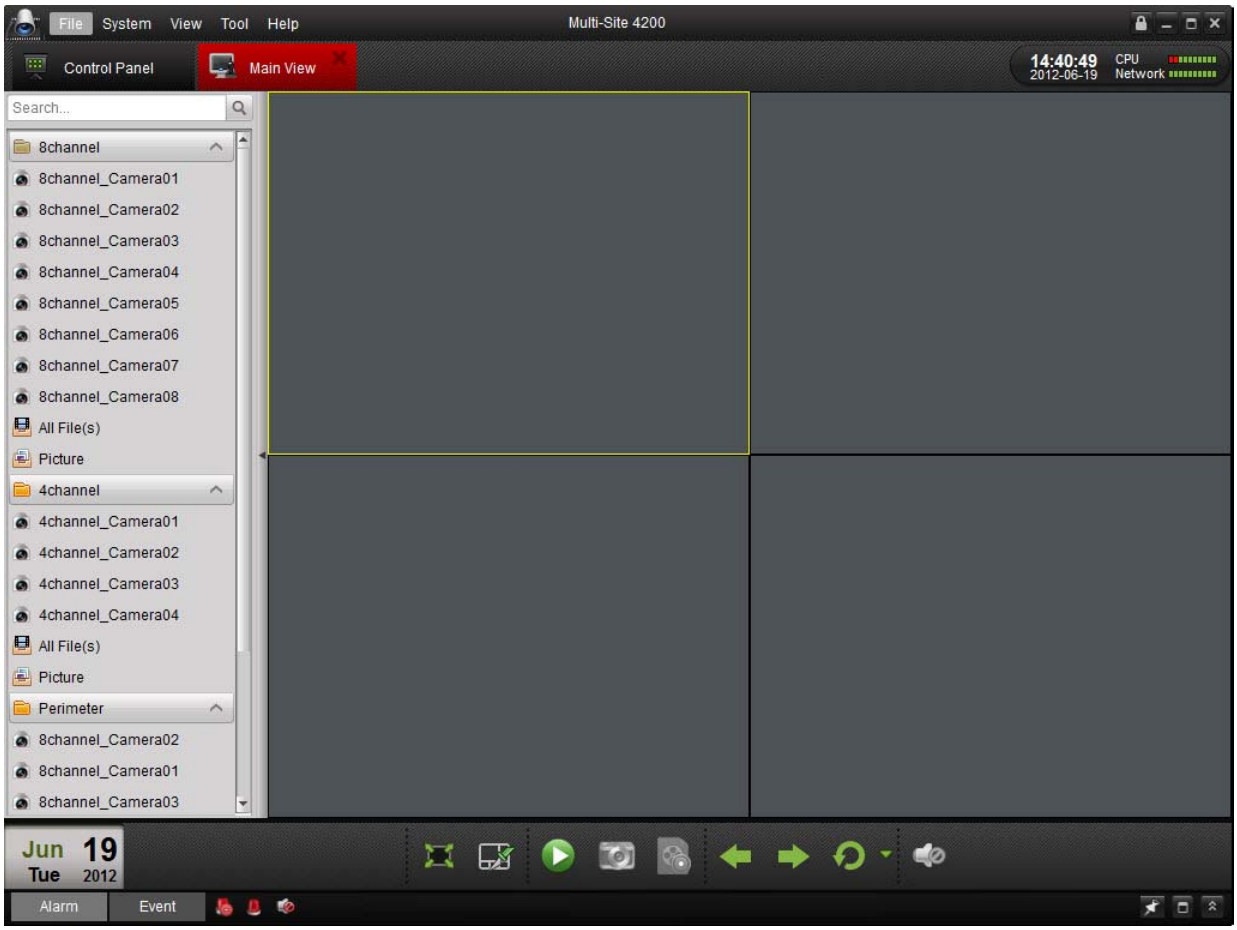
Click the main view icon ( ) in the control panel, or click the **View** menu ➤ **Main View** on the toolbar to enter the live view window.

Figure 3-10 Selecting Main View in the View Menu



The main view window is shown, as in *Figure 3-11*.

Figure 3-11 Main View Window



Camera Status

Table 3-1 Camera Status Icon Descriptions

Icon	Description
	Camera is online and works properly.
	Camera is offline.
	Camera is in live view.
	Camera is recording status.

Main View Toolbar

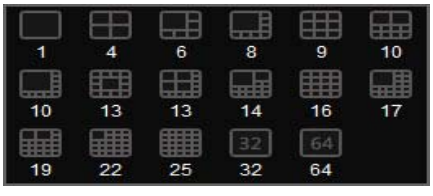
Figure 3-12 Main View Toolbar

Table 3-2 Main View Toolbar Descriptions

Button	Name	Description
	Full Screen	Display video in full screen mode, click again to restore.
	Layout	Select different layout modes.
	Stop All	Stop the display of all the cameras. **Note** The Stop All and Play All buttons alternate availability. Only one displays at a time.
	Play All	Display the live view for all cameras in a group. **Note** The Stop All and Play All buttons alternate availability. Only one displays at a time.
	Capture	Click to save a still image for the selected camera.
	Manual Record	Start manual record for the selected channel, click again to stop.
	Previous and Next	Click to view previous and next camera.
	Auto Switch	Start auto-switching the screen by cameras or by groups.
	Volume	Adjust the volume for live audio.
	Live Audio	Enable/disable live audio.

Click . *Figure 3-13* opens and you can choose the screen layout by clicking that corresponding icon.

Figure 3-13 Screen Layout Options

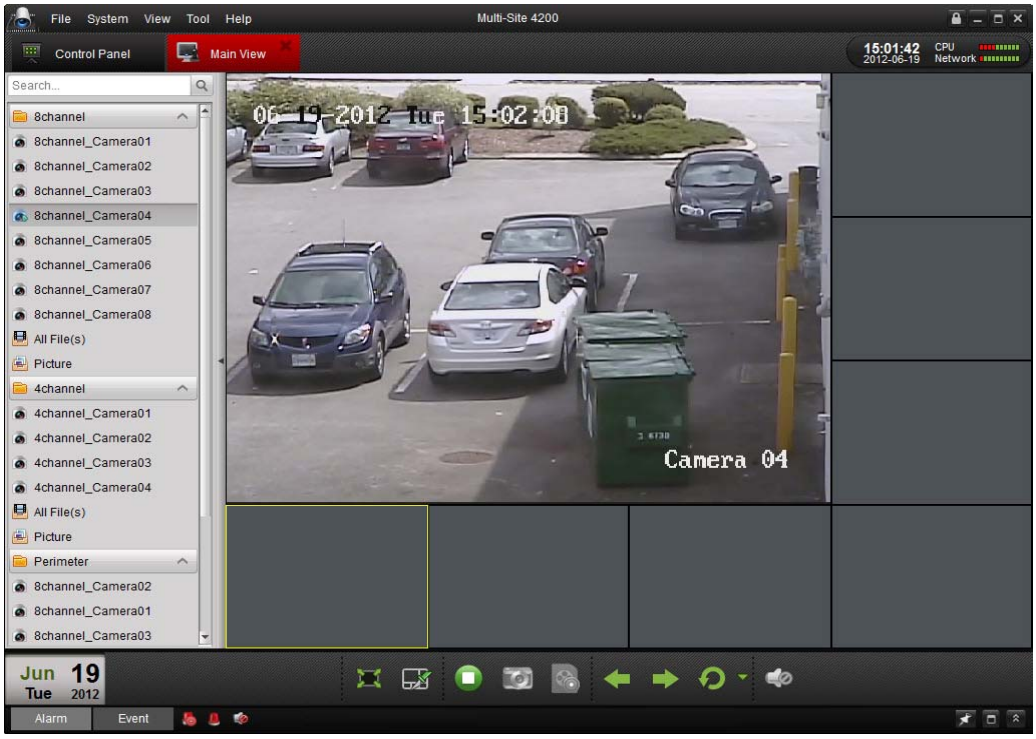


Basic Operations in Live View

Starting Live View for One Channel

To view the live video, drag the camera from the list to the display window, or double-click the camera name after you select one screen.

Figure 3-14 Live View with One Channel



Starting Live View for a Camera Group

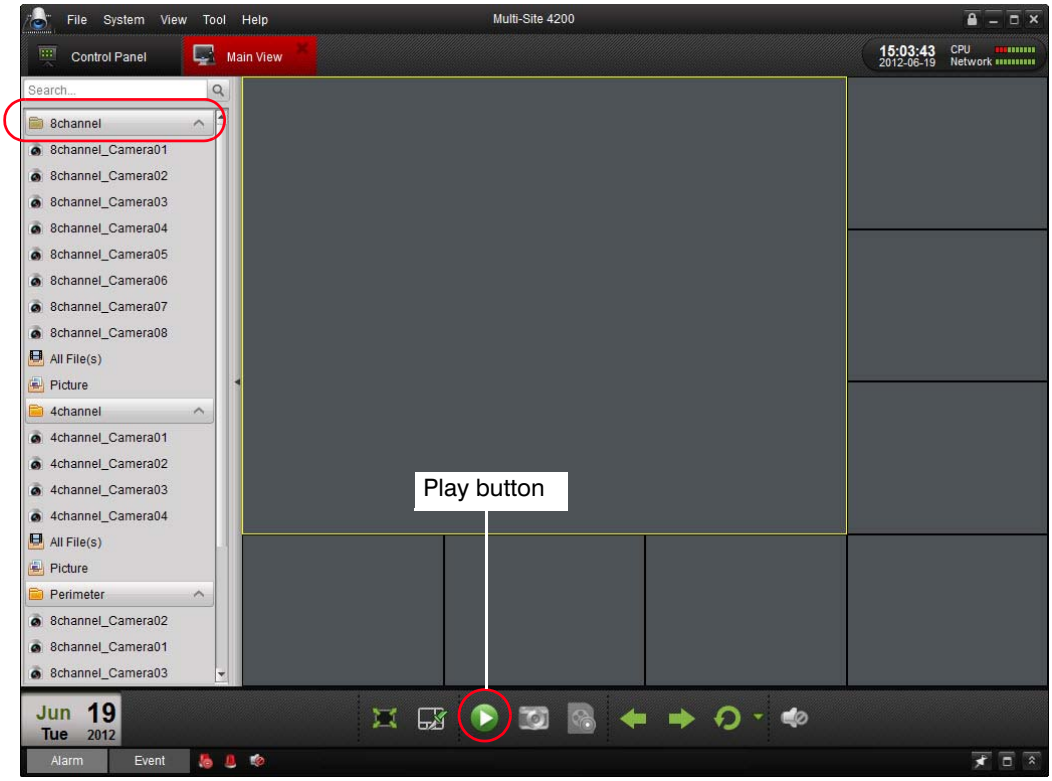
You can also view live video for a whole group, and display the live view of all the cameras in that group. To use live view for a group:

- Select the group name, and then click at the bottom of the screen (see *Figure 3-15*).

  -Or-

- Double-click the group name.

Figure 3-15 Live View with a Group



There is a toolbar (see *Figure 3-16*) in each display window. See *Table 3-3* for descriptions of the buttons in the display window toolbar.

Figure 3-16 Display Window Toolbar

Table 3-3 Display Window Toolbar Overview

Button	Description
	Capture an image.
	Starts manual recording. Click it again to stop recording.
	Starts two way audio. Click it again to stop. This two-way audio can be used for only one camera at one time. When you enable the voice talk of a camera, then the voice talk for any other camera is stopped.
	PTZ control; 8 direction icons will be displayed on the video.
	Check the camera status.
	Go to the camera setting window.
	Stop live view mode.
	Remote instant playback of current camera.
	Audio button. Click to enable/disable audio.

Stopping Live View

To stop the live view for one channel, you can click in the quick setting toolbar.

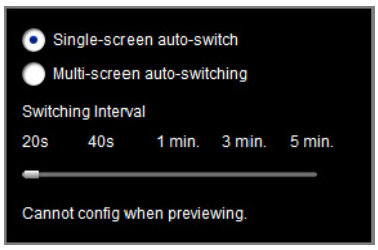
To stop the live view for all the channels, click on the bottom toolbar.

Cycling Live View

Cycle live view mode includes the auto-switch in one screen or the auto-switch in multi-screen.

1. Click the drop-down arrow ( ) next to .
2. Choose the auto-switch mode and set the interval for the switching (see options in *Figure 3-17*).

Figure 3-17 Auto-Switching Live View Options



3. Click on the toolbar at the bottom of the screen to start the live view cycling.

Capturing in Live View

Steps:

1. Select the screen that is displaying the video of which you want to capture a still image.
2. Click either:
   - , the capture button on the bottom toolbar of Main View,

     -Or-
   - , the capture button on the toolbar of the selected display window.

   A small window of the captured picture displays to notify you whether the capture was successful or not (see *Figure 3-18*).

Figure 3-18 Main Window with Captured Image Example

If the capture is successful, you will see a link to the saving path of the picture. Right-click on that link, and post it in your Explorer address bar to go directly to that captured image.

If the capture was not successful, the appropriate error messages display.

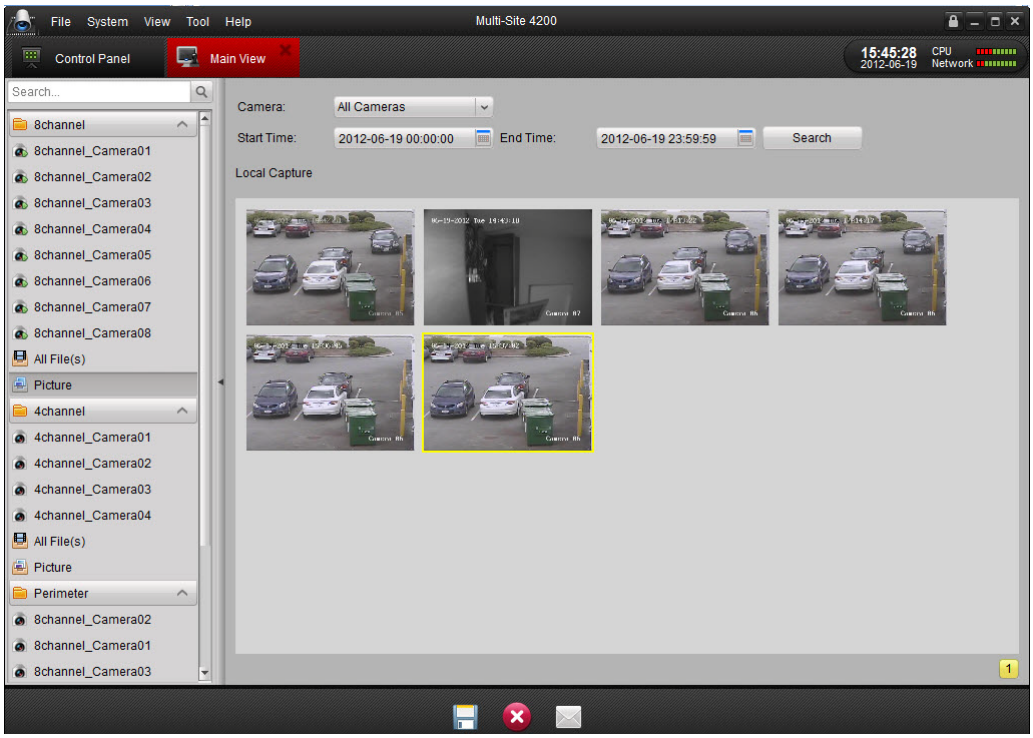
Viewing Captured Pictures

You have three options for viewing captured images:

- Double-click the small window of the picture displayed in the lower-right corner after capture (see *Figure 3-18*).
- Click the Picture icon on the left toolbar. All the pictures captured on the remote client are stored here (see *Figure 3-20*).
- Open the **File** menu on the toolbar (see *Figure 3-19*) and select **Open Captured File**.

Figure 3-19 Top Menu Bar

Figure 3-20 Viewing Captured Images Window



PTZ Control in Live View

For the PTZ control, click on the toolbar on the screen for the PTZ camera. The PTZ control panel will be displayed on the left side of the Main View window (see *Figure 3-21* and *Figure 3-22*).

Note This chapter only shows the PTZ control operations. To configure the PTZ parameters see *PTZ Parameters Settings on page 100* for more information.

Figure 3-21 PTZ Controls on the Main Window

Figure 3-22 Main View Window with PTZ Controls

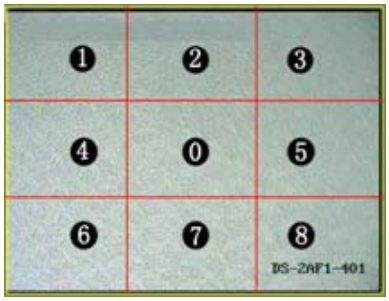
Click on those directional buttons to control the PTZ function (see *Figure 3-23*). You can also control the PTZ direction by the directional buttons on your keyboard.

Figure 3-23 PTZ Directional Controls

You can control PTZ movement by clicking and dragging the mouse on the PTZ camera display screen window.

Use the mouse to click on the video image, and then drag the mouse to different directions by following the arrows displayed on the video (see *Figure 3-24*). The PTZ will move in the direction that the arrow is pointing.

Figure 3-24 Directions of PTZ Movement

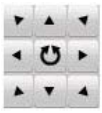


Click in the screen area to move in the corresponding direction:

1. Upper Left
2. Up
3. Upper Right
4. Left
5. Right
6. Lower Left
7. Down
8. Lower Right

See *Table 3-4* for descriptions of the buttons on the PTZ Control Panel.

Table 3-4 PTZ Controls Descriptions

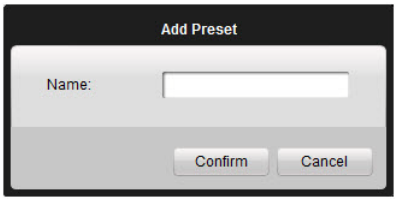
Button	Description
	Zoom
	Focus
	Iris
	3D Positioning
	Direction buttons, click to start/stop the auto-scan function.
	Speed adjustment for Pan/Tilt functions.
	Preset configuration
	Pattern configuration
	Patrol configuration
	Calling or play a preset
	Adding and editing a PTZ preset
	Deleting

Preset Configuration

To add a preset for the PTZ:

1. Click the direction buttons to move the PTZ to a desired location.
2. Select a PTZ preset number from the preset list, and then click to add the preset and name the new PTZ preset.

Figure 3-25 Add Preset Name Dialog



To delete a preset, select the PTZ preset from the preset list, and then click to remove the preset from the list.

Patttern Configuration

To add a pattern path for the PTZ to follow:

1. Click to enter the PTZ pattern path setup panel (see *Figure 3-26*).
2. Select a PTZ pattern path number from the list, then click to enter the editing mode.
3. Click to start recording the pattern path.
4. Use the direction buttons to control the PTZ movement and program the pattern path.
5. Click to stop the pattern recording. Click to save the pattern path.

Figure 3-26 PTZ Controls with Pattern Controls Open

Patrol Configuration

After adding two or more presets for one channel, you can set a patrol which includes multiple presets for PTZ movement. To add a patrol path for the PTZ:

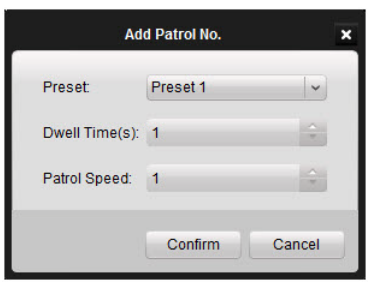
1. Click Patrol to enter the PTZ patrol path setup panel (see *Figure 3-27*).

Figure 3-27 PTZ Controls with Patrol Controls Open

2. Select a track number from the drop-down list.
3. Click to add a preset (including the dwell time and PTZ speed for the preset) for this patrol path (see *Figure 3-28*).

   Repeat the above operation to add other presets to the patrol.

Figure 3-28 Add Patrol Dialog



4. Click to call the PTZ camera to start along the patrol path. Click to stop a patrol path.
5. Click to edit a preset in the patrol path.

Note Up to 16 patrols can be configured.
The patrol **Dwell Time** can be set between 1 and 255 seconds. The **Patrol Speed** can be set between level 1 and 40.

Alarms and Events in Live View

Viewing Alarm/Event Information

For setting cameras for recording alarm events, see *Camera Settings on page 87* and *Alarm Settings on page 79*.

The Main View window provides **Alarm** and **Event** buttons on the left bottom toolbar (Alarm Event).

Click **Alarm**/**Event** to view the alarm or event information as shown in the panel (see *Figure 3-29*).

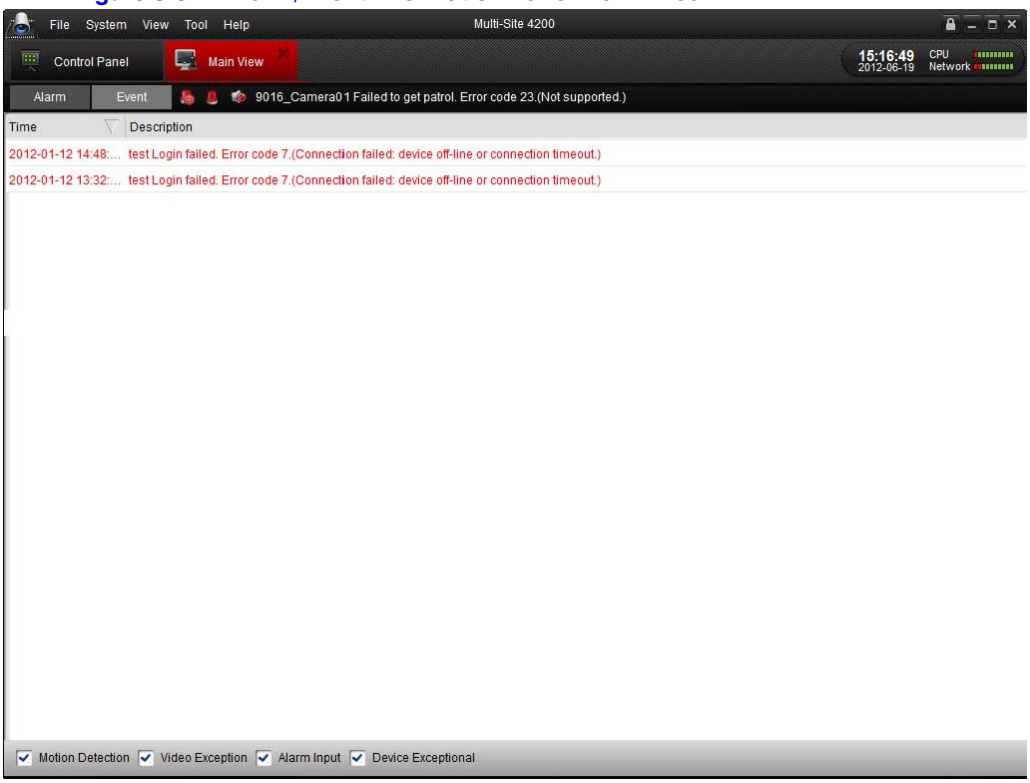
Figure 3-29 Alarm/Event Information Panel

You can click to lock the toolbar and show the information in the main view window. Or click to hide the list.

Figure 3-30 Main Alarm/Event Window - No Video

Click ▫ to maximize the alarm/event log display panel and enable it to be shown in a new tab page (see *Figure 3-31*).

Figure 3-31 Alarm/Event Information Panel Maximized

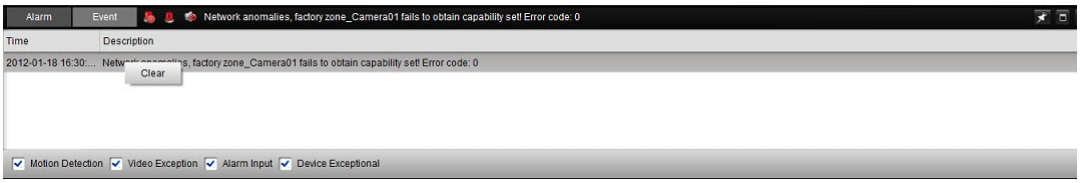


As shown in *Figure 3-31*, above, in the lower bar of the alarm log display panel, there are 4 different alarm types: **Motion Detection**, **Video Exception**, **Alarm Input** and **Device Exceptional**. Check the checkbox to show the alarm of that type (see *Figure 3-32*).

Figure 3-32 Check Boxes for Alarm Type

You can select a log and right-click it to remove it from the list by right-clicking the mouse and then clicking Clear.

Figure 3-33 Clearing an Alarm/Event from the Panel



Linking Alarm Logs

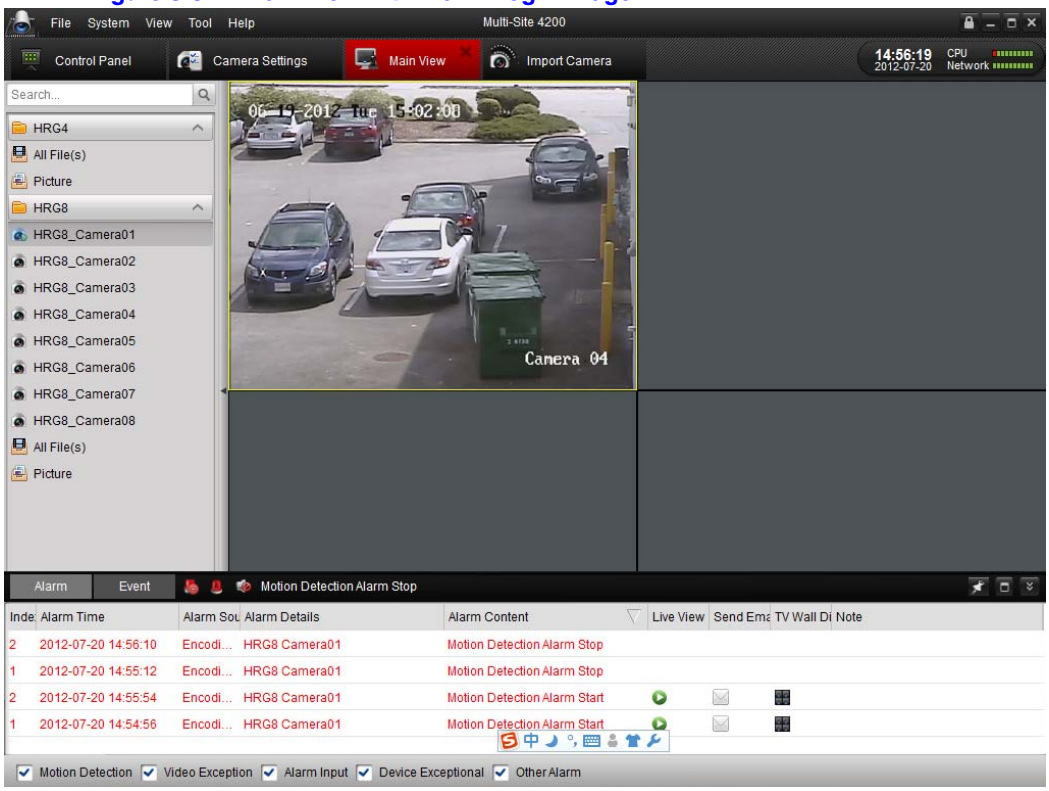
Each alarm log shows the related alarm information, including the time the alarm occurred, the source, and the type of the alarm.

You can click , or to either preview the alarm, or send it by email.

- **Live View** ( ): View the live video of the selected alarm source camera.
- **Send Email** ( ): Send the alarm information by Email.

Note You need to configure Email settings in **Control Panel ➤ System Configuration ➤ Email** before using the Send Email function.

Figure 3-34 Main View with Alarm Log Linkage



Blocking Alarms from a Certain Device

Purpose:

Sometimes, blocking alarm information from a certain device is needed. This is especially useful when you use more than one client to manage many devices.

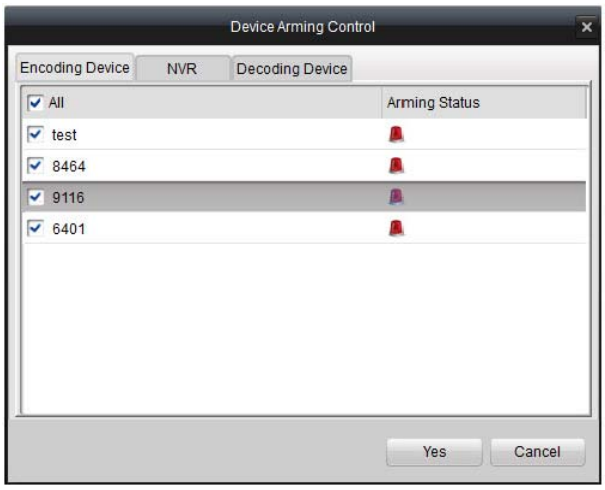
Steps:

1. Click Tool on the menu bar (see *Figure 3-35*).

Figure 3-35 Main View with Tool Menu Open

2. Click Device Arming Control to enter the alarm enable or disable window.

Figure 3-36 Device Arming Control Window



3. Check the checkbox to enable the alarm or uncheck it to block the alarm information. There are tabs to list different kind of connected devices.
4. Click Yes to confirm your settings.

Note This function only blocks the selected alarm information from being received by this client only. The alarm information can still be received by other clients. When you block the alarm information from certain devices, all the alarm information is not shown in the client and all the linkage methods in the client such as the audible warning, pop-up image, and email sending are blocked as well.

Local Recording and Capturing

Multi-Site 4200 software provides the local recording and remote recording.

Local Recording Local recording is when you record the video from the remote device in the hard drive of the local PC that is running the Multi-Site 4200 software. Local recording for the Multi-Site 4200 software can only be made by manually recording. Local schedule recording is not valid.

Remote Recording Remote recording refers to remotely controlling the device in the management list to set it to record on the HDD of the device, wherever the device is located.

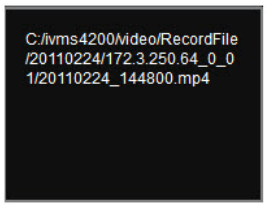
Recording and Picture Capturing on the Host PC

Local Recording (also called Manual recording) allows you to record the live video while in the Main View mode. The record file is recorded to your PC.

Steps:

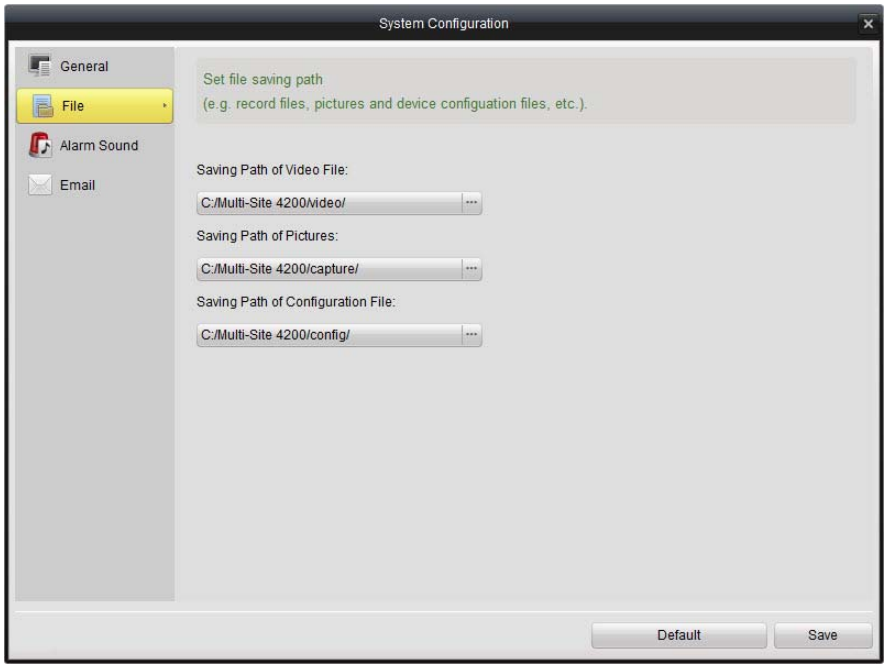
1. In the main view window, select a channel in the group and double-click it to view the live video.
2. Click at the bottom of main view panel to start recording the live video.
3. To stop recording, just re-click . A prompt dialog box with the saving path of the video files you finished recording will pop up if all the operations were successful (as shown in *Figure 3-37*, below).

Figure 3-37 File Path of Recorded Video Files



Note To change the file saving path for the captured video and picture files, change that field on the files configuration window (see *File Saving Path Configuration on page 109* for more detailed information).

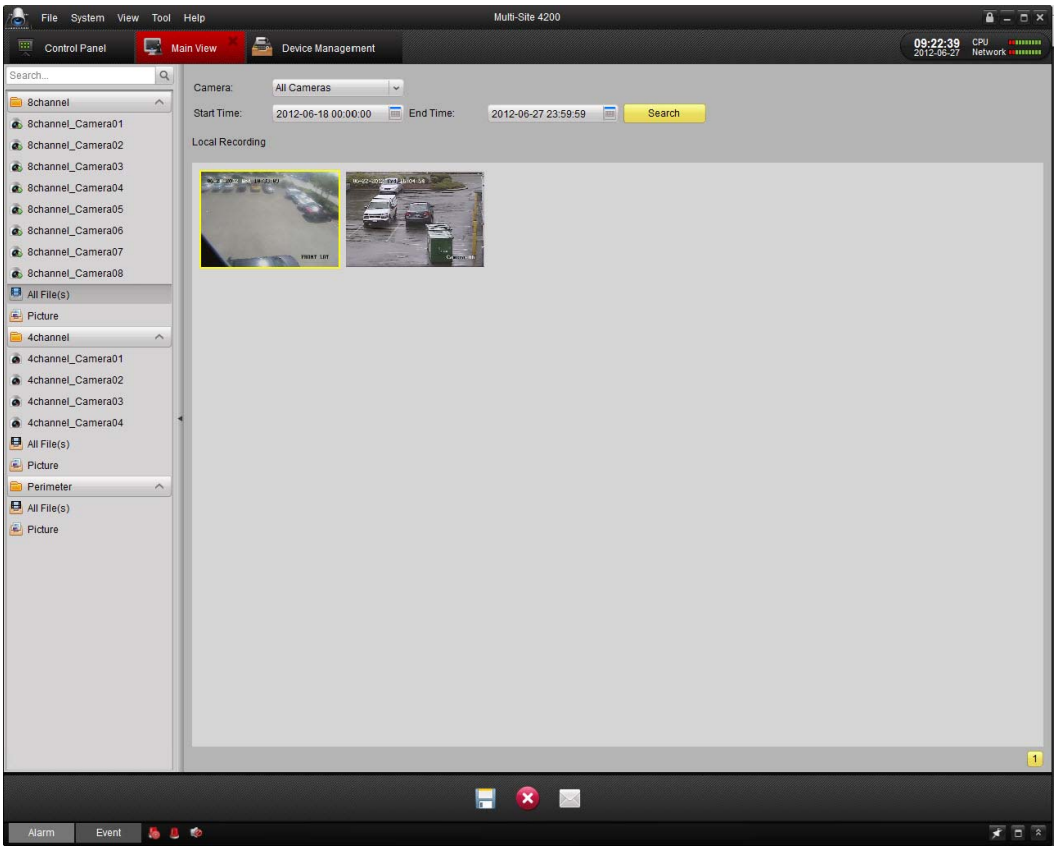
Figure 3-38 File Configuration Screen



Quickly Viewing the Manually Recorded File

You can open the file folders on the PC to find the record file, or you can click the **All File(s)** icon on the left-hand pane of the Main View window to show the files recorded with the Multi-Site 4200 software (see *Figure 3-39*).

Figure 3-39 Main View Window with Recorded Files Displayed



You can double-click the recorded file to play it. See *Playing Back Locally Stored Files on page 55* for more detailed information on the playing back recorded files.

Figure 3-40 Playing Back Manually Recorded Files

See *Capturing in Live View on page 42* for more information on manually capturing video in the live view.

Local Playback

As a result of featuring two different recording modes, there are two playback modes: Local playback and remote playback.

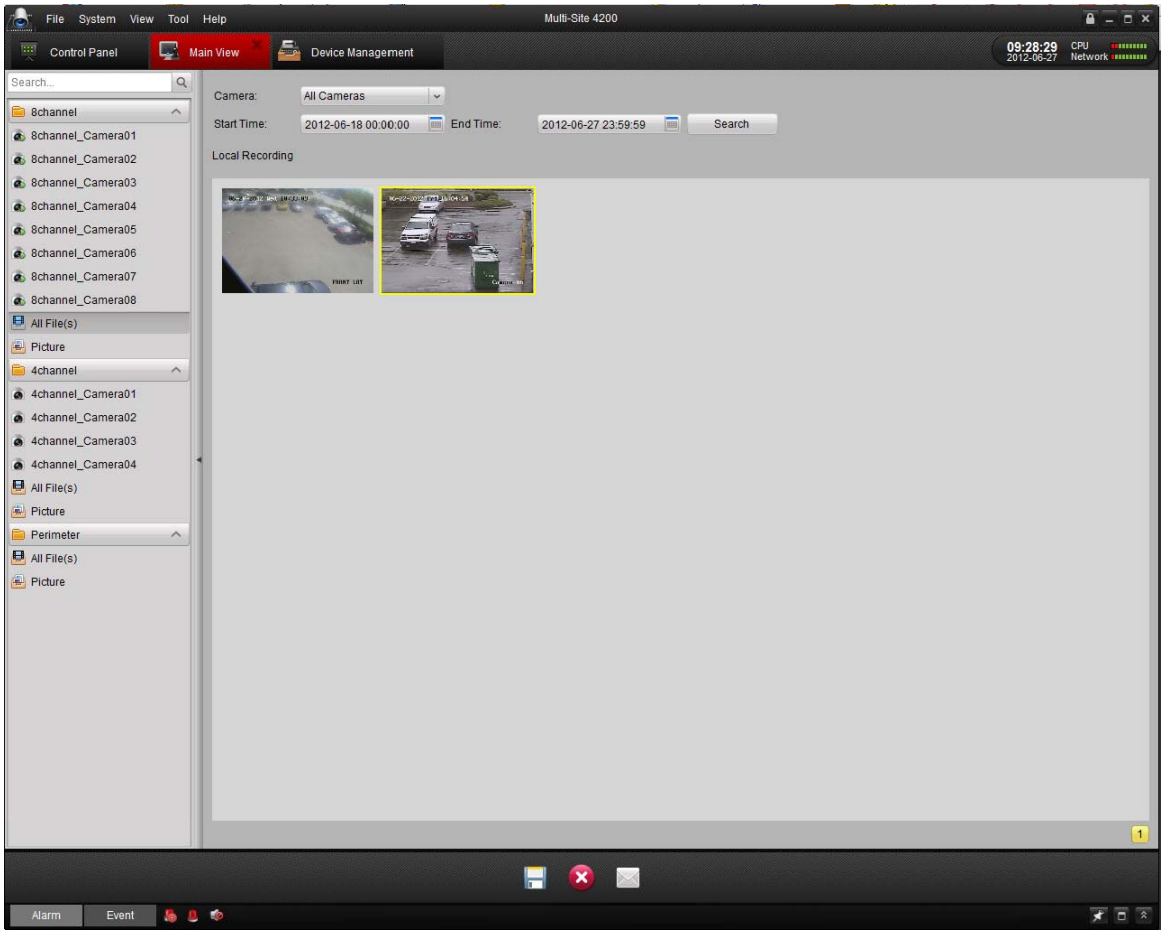
Playing Back Locally Stored Files

Follow these procedures for playing back the video files created by locally recording (see *Local Recording and Capturing on page 53* for more information on local recording). Locally recorded files are stored in your PC.

Steps:

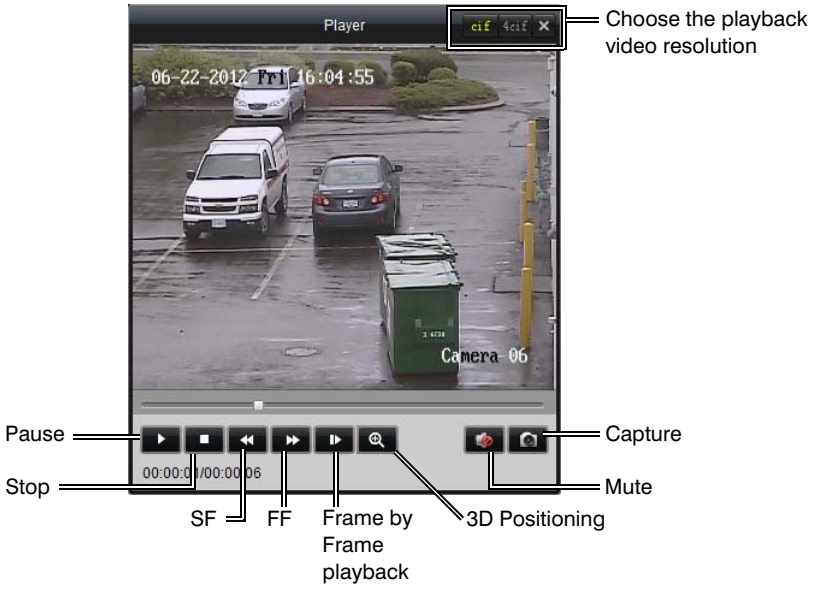
1. Go to Main View panel and click the **All File(s)** icon in the left-hand pane to enter the Local Record Files window. Select a camera and specify the start time and the stop time, and then click **Search** to search for the video clips. The matched video found will be listed in the display panel (as shown in *Figure 3-41*).

Figure 3-41 Local Record Files Window



2. Double-click the recorded file to play it back.

Figure 3-42 Controls for Playing Back Recorded Video



You can click to save the selected record file (see *Figure 3-41*). You can click to delete the clip from the panel, or click to send the selected video clip by Email (the size of video clip must be less than 5 MB).

Note To send the record file to an Email address, you must first configure the Email settings. See *Email Configuration on page 110* for more detailed information.

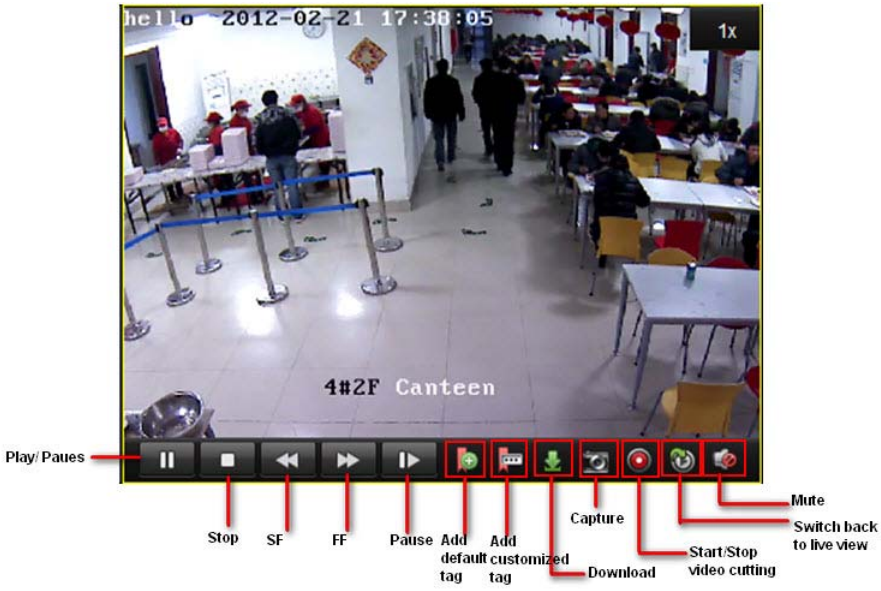
Instant Playback

1. Go to Main View panel. Select a channel to enable the toolbar (as shown in *Figure 3-43*), and click to start instant playback.

Figure 3-43 Selected Video Panel with Toolbar

2. In the instant playback window (see *Figure 3-44*), click to start playing back the first video files of the current day. Click and to fast forward or slow forward through the video. Click to pause the video.

Figure 3-44 Instant Playback Window



3. See *Figure 3-44*, above, for other controls that are available when using instant playback.
4. You may also use the timeline at the bottom of the Main View panel to adjust the playback progress (see *Figure 3-45*). You can use and to expand and narrow down the time bar so you can more accurately choose a time for playback.

Figure 3-45 Instant Playback Timeline

Managing E-Maps

Relating a certain camera group to an E-map allows you to easily visualize the location and distribution of the cameras. The E-map is especially beneficial when an alarm is triggered.

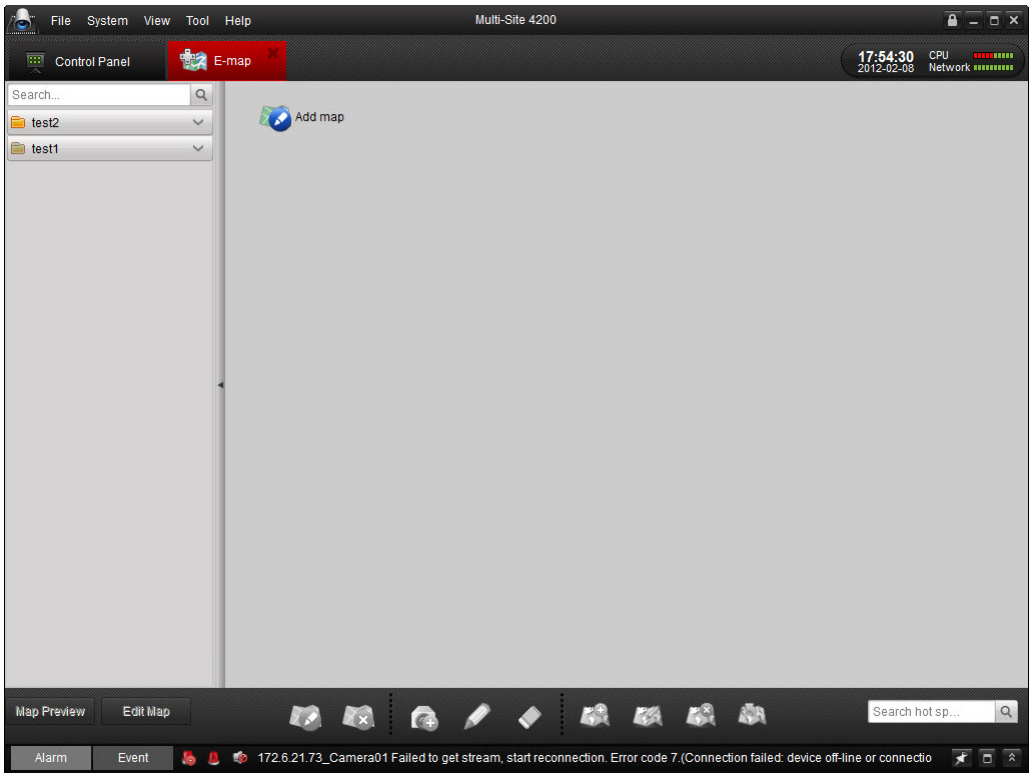
Adding an E-Map

For the first time use of the E-map function, you are required to add a map to start.

Click the **View** menu ➤ **E-map View** on the menu bar or click on the Control Panel to open the main E-map window (see *Figure 3-46*).

Note Only one map can be added for each camera group.

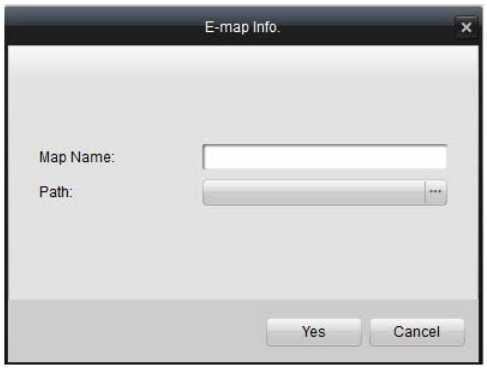
Figure 3-46 E-map Window Empty to Add New Map



Steps:

1. Click Add map to add a map related to the camera group.

Figure 3-47 E-map Info Window



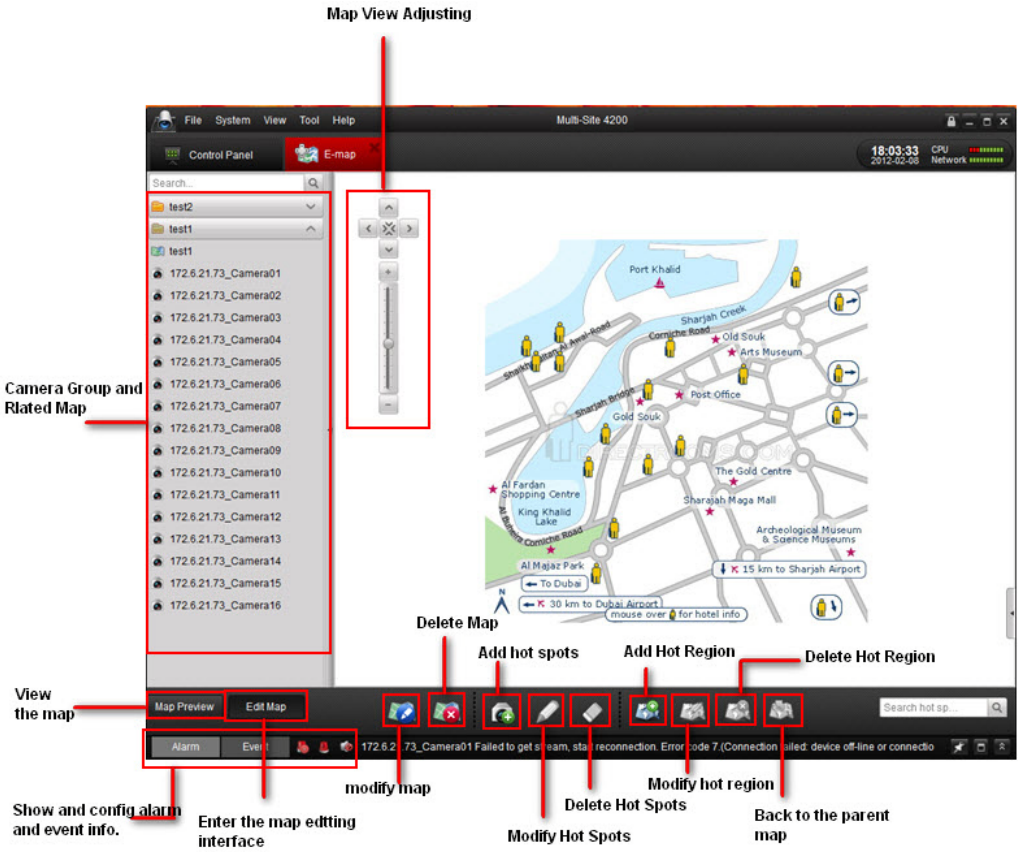
2. Click ... to browse the directory where the map is stored.

Note The picture format of the map should be ***.png**, ***.jpg** or ***.bmp**.

3. Enter a **Map Name** for the map.
4. Click Yes to confirm and save your selections.

After successfully adding an E-map, it displays on the window and the name of the map also appears on the group list (see *Figure 3-48*).

Figure 3-48 E-map Window with Map Displayed



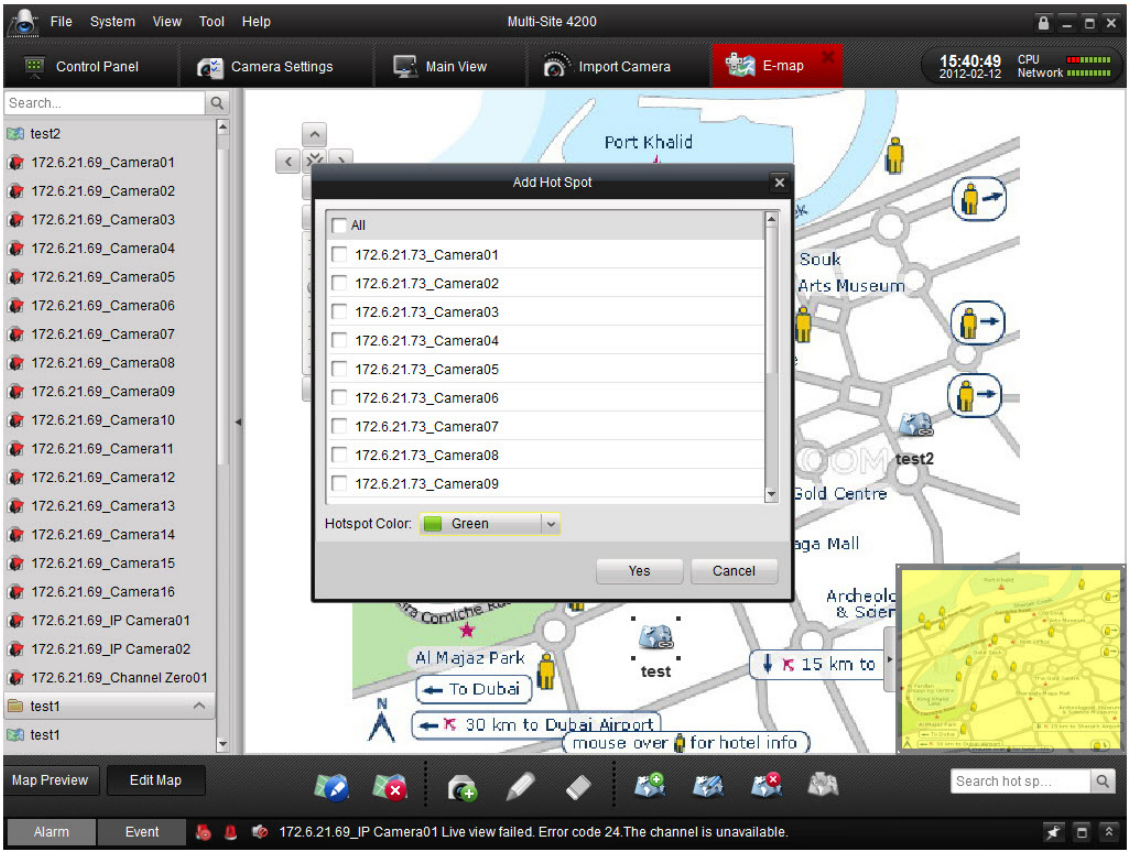
Hot Spots

You can add the camera label to the map to show the location of a camera. The label is called a hot spot. With the hot spots added, the cameras are then linked to the map. In the map preview window, you can see the live view of the camera, and if there is an alarm triggered, the alarm icon ( ) appears near the camera label.

Adding a Hot Spot

1. Click to open the Add Hot Spot window. Here you select which camera you want to add on the map as a hot spot and select the hot spot color (see *Figure 3-49*).

Figure 3-49 Adding Hot Spot to E-map



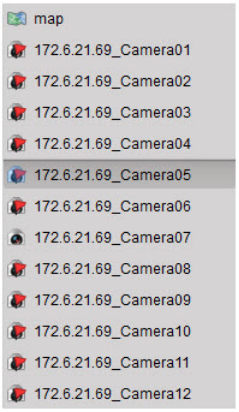
2. Select the checkbox(es) next to the camera names you want to select as the hotspots.

   You can choose many cameras at the same time.

3. You can choose the **Hotspots Color** in this window to assign a color for hot spot labels (Hotspot Color: Green).

   After being added as a hot spot, the camera icon in the camera list changes to .

Figure 3-50 Camera List with Hot Spot Icons



4. Drag the camera hot spot icon to the approximate location of that camera on the map.

Editing the Hot Spot

Use one of the following methods to start editing a hot spot:

- Double-click the hot spots icon on the map to modify the hot spot's name and color.

  -Or-

- Right-click the hot spot and choose Modify (see *Figure 3-51*).

  -Or-

- Select a hot spot on the screen and click on the toolbar.

Figure 3-51 Right-Click a Hot Spot to Modify the Hot Spot

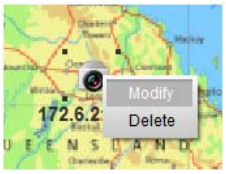
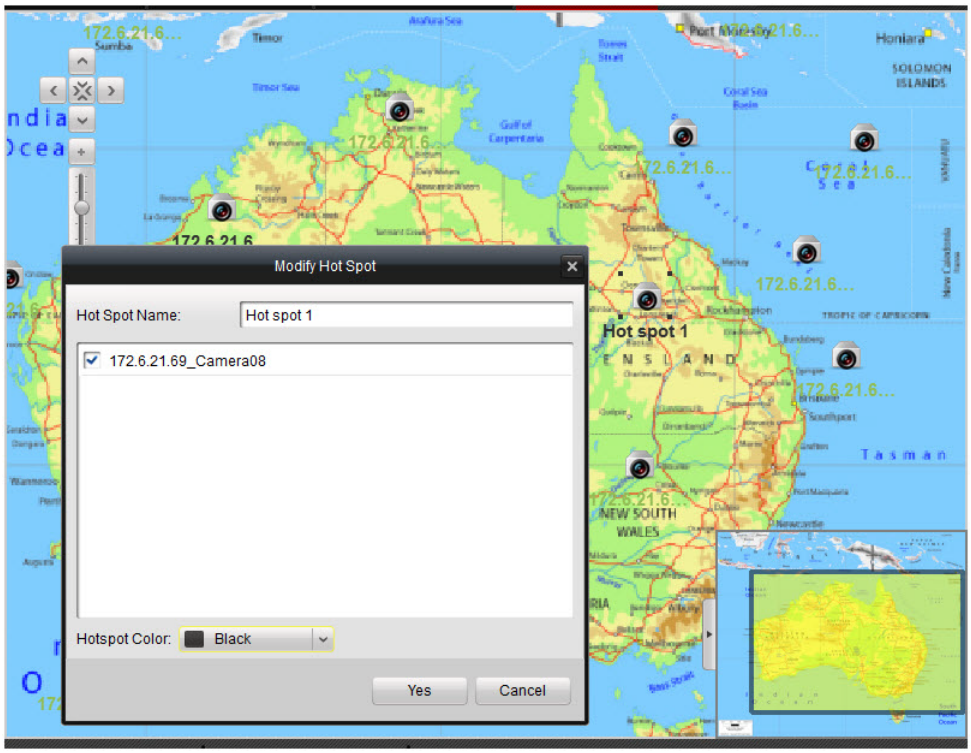


Figure 3-52 Hot Spot Modifying Window



Deleting the Hot Spot

Use one of the following methods to delete a hot spot:

- Right click on the hot spot and choose delete (see *Figure 3-51*).

  -Or-

- Select a hot spot on the map and click on the toolbar to delete the hot spot.

Previewing the Map with the Hot Spot

After finishing to configure all the settings for the hot spots, click Map Preview on the toolbar to view the E-map. The hot spots are distributed on the map to show the location of the linked cameras (see *Figure 3-53*).

Figure 3-53 E-map with Hot Spot Locations Displayed

Double-click the hot spot. The live view of the camera video is shown in the window (see *Figure 3-54*).

Figure 3-54 E-map with Hot Spot Video Displayed

If an alarm is reported from certain cameras, the alarm icon ( ) shows in the map to alert you (see *Figure 3-55*).

Figure 3-55 E-map of Hot Spot with Alarm Showing

To view the detailed alarm information, double-click the alarm icon (see *Figure 3-56*).

Figure 3-56 E-map with Detailed Alarm Information

You can click the alarm icon ( ) to clear all the alarm information.

Figure 3-57 Alarm Icon Located on the Toolbar

Hot Regions

The hot region function links a map to another map. When you add a map to another map as a hot region, an icon of the link to the added map is shown on the map. The added map is called a *child map* while the map to which you add the hot region is called the *parent map*.

Note A map can only be added as the hot region once (a hot region can not be added more than once, such as added to multiple maps).

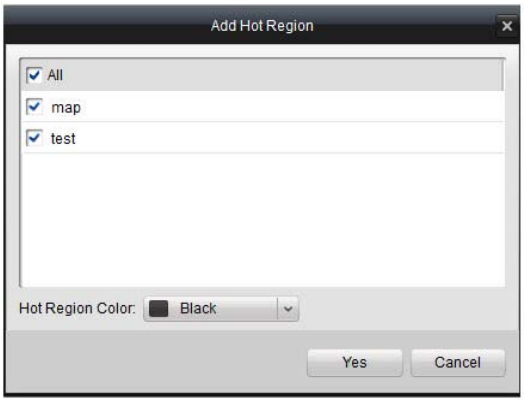
Adding a Hot Region

1. Click in the toolbar.

Figure 3-58 Hot Region Toolbar

2. In the Add Hot Region dialog (see *Figure 3-59*), select the map you want to add as a hot region. You can also select the color of the map icon.

Figure 3-59 Add Hot Region Dialog



3. Drag the map icon on the map to appropriate location for the hot region.

Figure 3-60 Locating a Hot Region on the E-map

Editing the Hot Region

Use one of the following methods to start editing a hot region:

- Double-click the map icon on the map to modify the hot region's name and icon color.

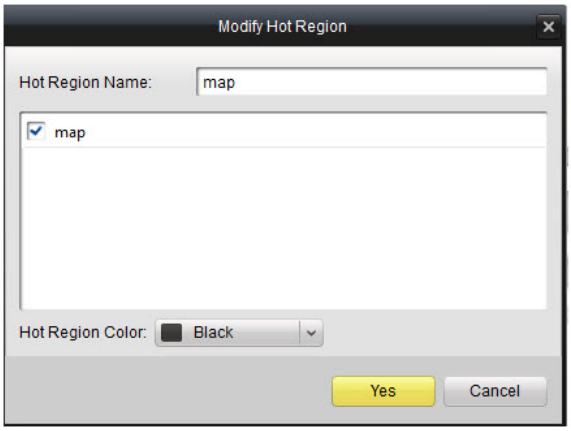
  -Or-

- Right-click the hot region and choose **Modify** ( ) to modify it.

  -Or-

- Select a hot region on the screen and click on the toolbar to modify it.

Figure 3-61 Modifying a Hot Region



Deleting a Hot Region

Use one of the following methods to delete a hot region:

- Select the hot region icon on the map and click to delete the hot region.

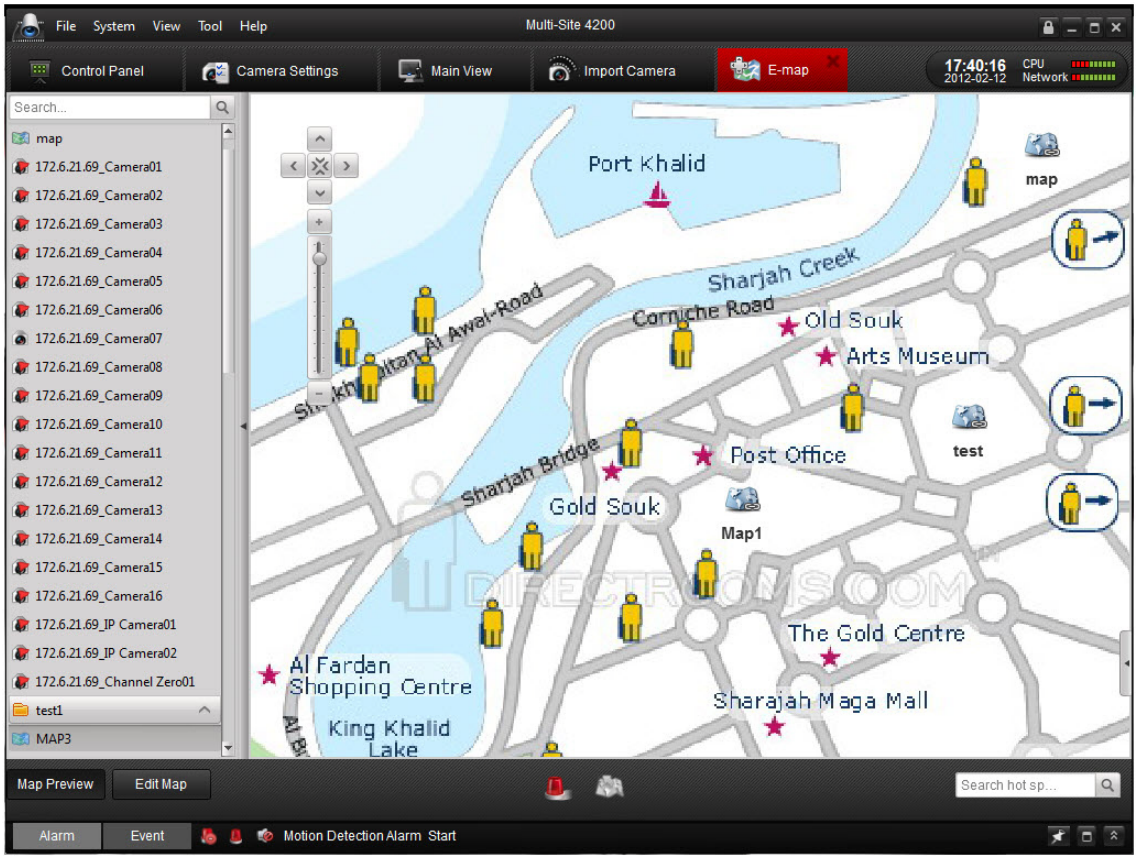
  -Or-

- Right-click the hot region icon and choose **Delete**.

Map Previewing with the Hot Region

After successfully adding and setting a hot region, go back to the map preview window to view the map.

Figure 3-62 E-map Preview with Hot Region Icons



Clicking the hot region icon now can take you to that child map (see *Figure 3-63*).

Figure 3-63 E-map of Child Map

Click to go back to the parent map.

4

Remote Control and Management

This chapter describes remote recording, playback and device management and configuration with the Multi-Site 4200 software.

Through the Multi-Site 4200 software, you can manage and configure the following:

- Network settings
- Alarm settings
- File management
- Users
- HDD management
- Camera settings, including picture and video settings, OSD and text overlay, and PTZ camera parameters

Remote Playback

The remote client can search previously recorded files on the Storage Server and the DVR, and it can also do the smart search for the event triggered record files during playback.

Click

in the control panel to enter the Remote Playback Window.

Figure 4-1 Remote Playback Window

Table 4-1 describes the tool bar on the Remote Playback Window.

Table 4-1 Remote Playback Window Tool bar

Button	Name	Description
	Screen Split	Select 1, 4, 9, or 16-screen mode.
	Stop	Stop playback of video.
	Volume	Adjust the volume.
	Full-screen	Full-screen preview.

Searching for Recording Files

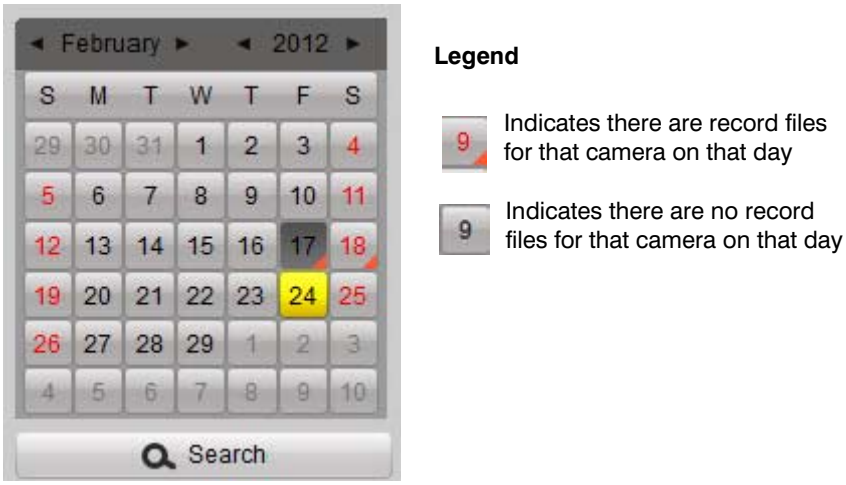
Searching for all the files

To search for all the files:

1. Select the check box on the camera list. On the calendar below, select the day you want to search.

2. Click **Search**.

Figure 4-2 Record Files Search Calendar


February
2012
S M T W T F S
29 30 31 1 2 3 4
5 6 7 8 9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 1 2 3
4 5 6 7 8 9 10
Search
Legend
9
Indicates there are record files for that camera on that day
9
Indicates there are no record files for that camera on that day

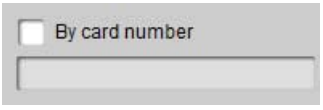
The time line indicates the time duration for the record file.

Searching by card number

Note This function only applies to the ATM DVR.

To search by the DVR card number:

1. Select the **By card number** check box.
1. Select the check box on the camera list. On the calendar below, select the day you want to search.
2. Click **Search**.



Searching by file type

Select the file type to narrow the search conditions and search for only the record files for certain types.

Playback Management

After locating the desired record files:

1. Click the time line on the bottom to display the video in that time period on the screen.
2. Move the mouse to the screen of the camera you want to manage. A tool bar appears at the bottom.

Table 4-2 describes the tool bar on the Remote Playback Management.

Table 4-2 Remote Playback Management Tool bar

Button	Description
	Pause the video
	Stop playback of video.
	Playback by single frame.
	Smart search
	Clip
	Audio on/off
	Play
	Speed control
	Digital zoom
	Capture in the playback mode
	Download

3. Click to start playing the video forward to the next frame.

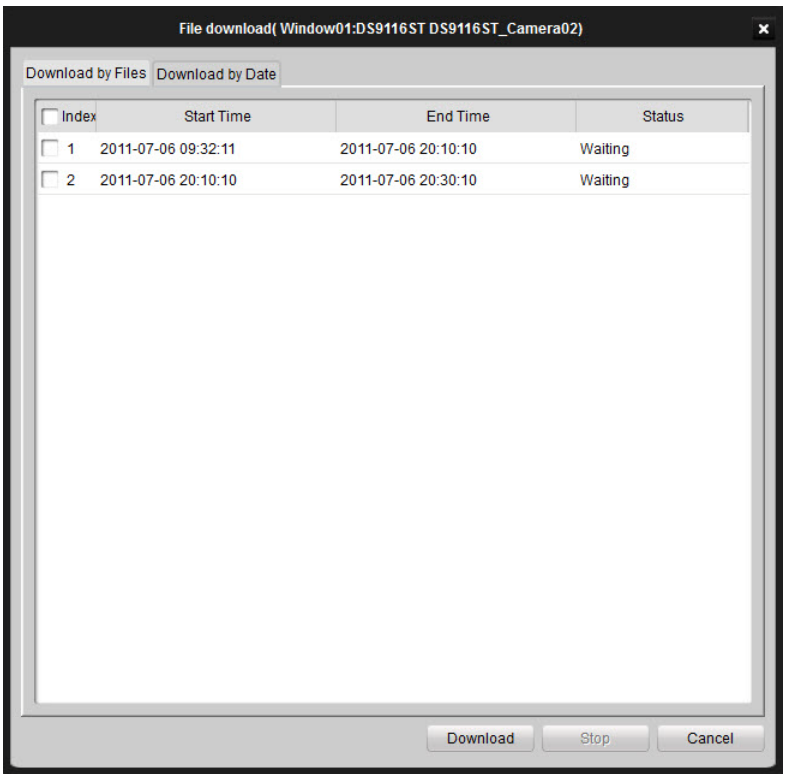
Note You can enable audio on only one channel at one time.

Smart Search Management

This feature is not supported at this time.

Downloading Record Files

1. Click to download the files you selected.



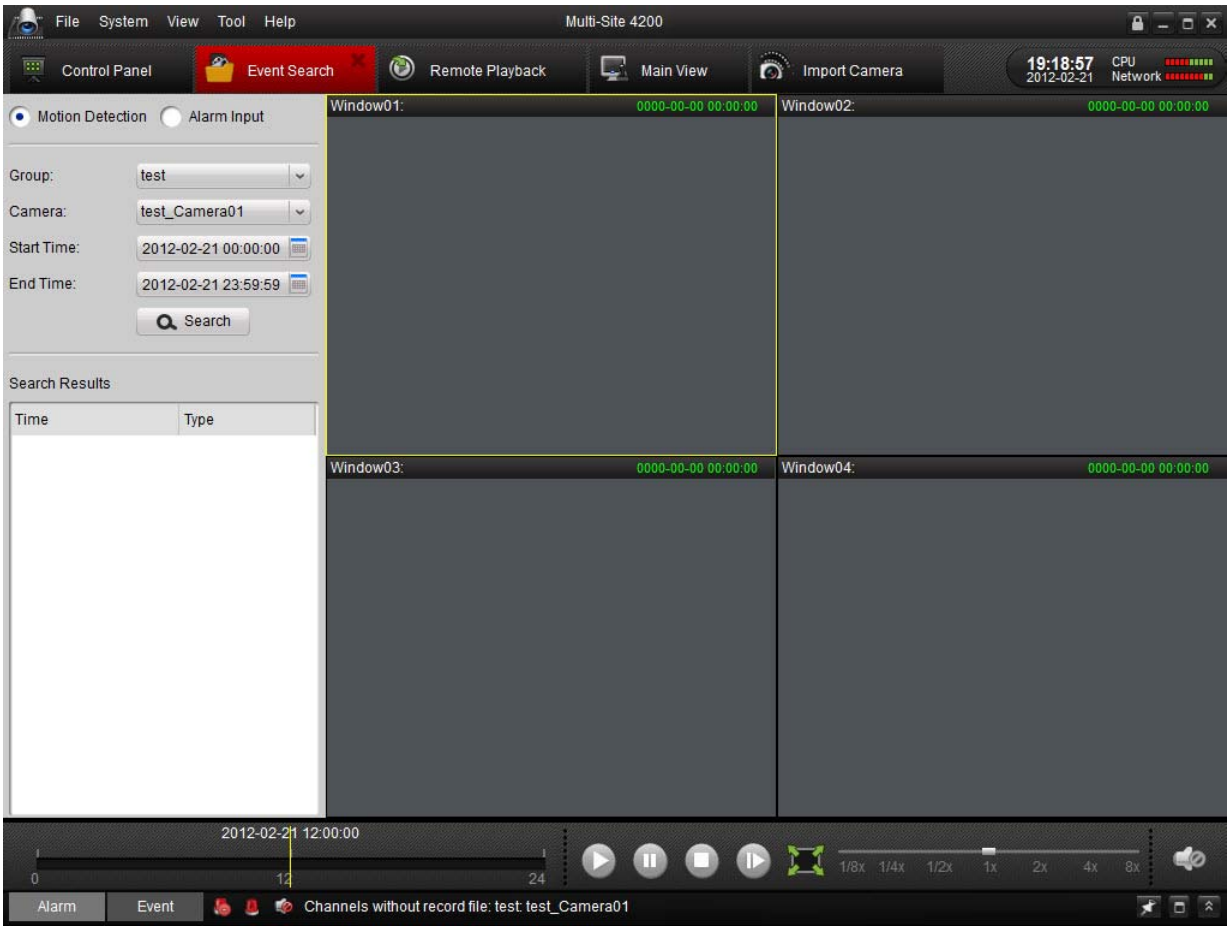
2. You can set the path where the downloaded files are saved in the System Configuration window (see *File Saving Path Configuration, page 109*.

Event Playback

To play back the recorded files by event type:

1. Go to the Event Search window and select an event type, either motion or alarm input.

Figure 4-3 Event Search Window



2. Select a camera in the group and specify a start time, and then click Search.
3. Select a window, and double-click a video file from the search results list to play.
4. During playing back the video, you may right click the mouse in the image to get a drop-down menu as shown in the following figure. Please refer to the table below for more details on this menu. You may also change playback speed by clicking on the

bar.

Note The Event playback function is only available on DVRs which support event recording.

Make sure to import all the channels that you wish to play back in Import Camera panel.

It is also required to enable continuous recording on all the alarm/motion-triggered channels before event playback.

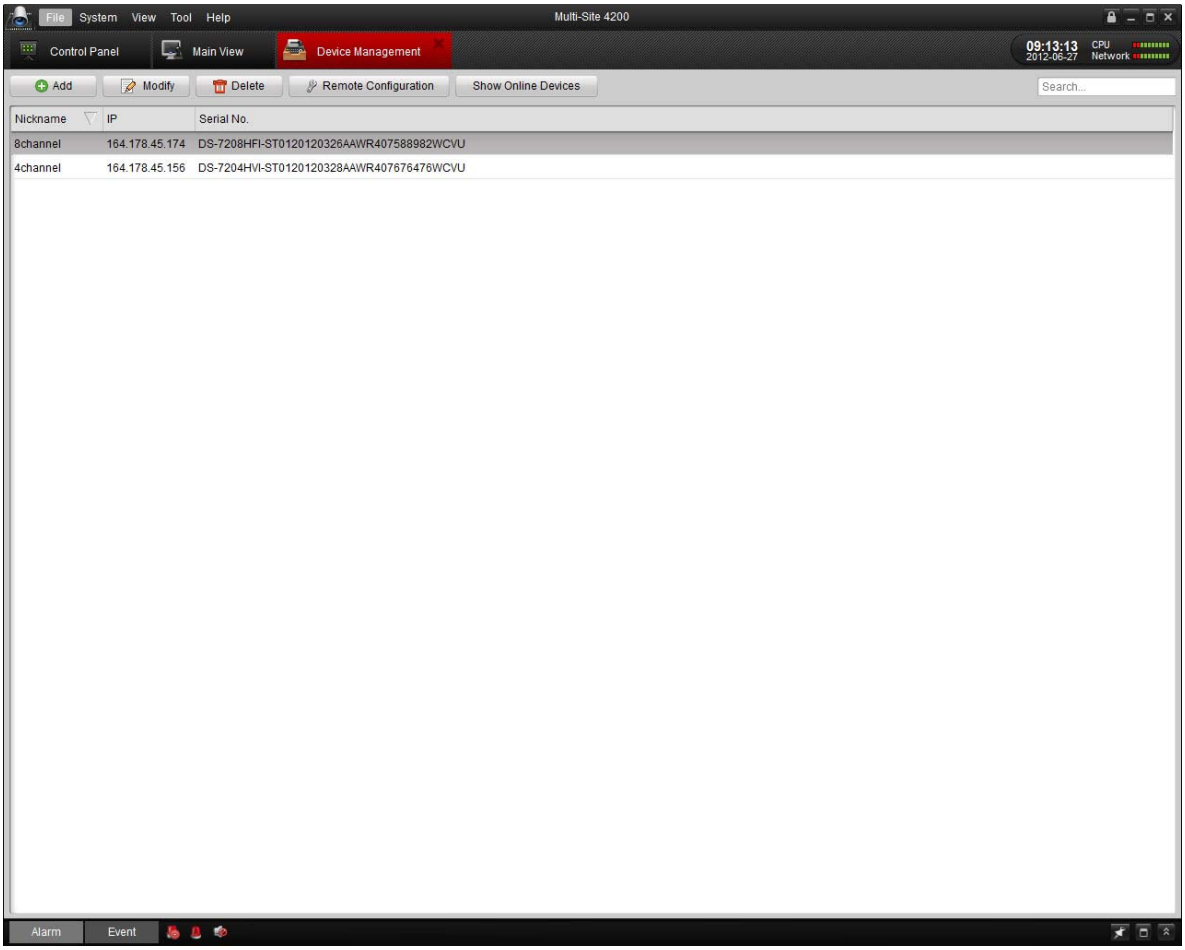
Remote Device Management and Configuration

The remote configuration and management for the connected devices is supported. You can configure the parameters for the basic settings, the image and the network transmission of the device. For different devices the configuration window may be different.

1. Click

on the control panel to access the Device Management window.

Figure 4-4 Device Management Window



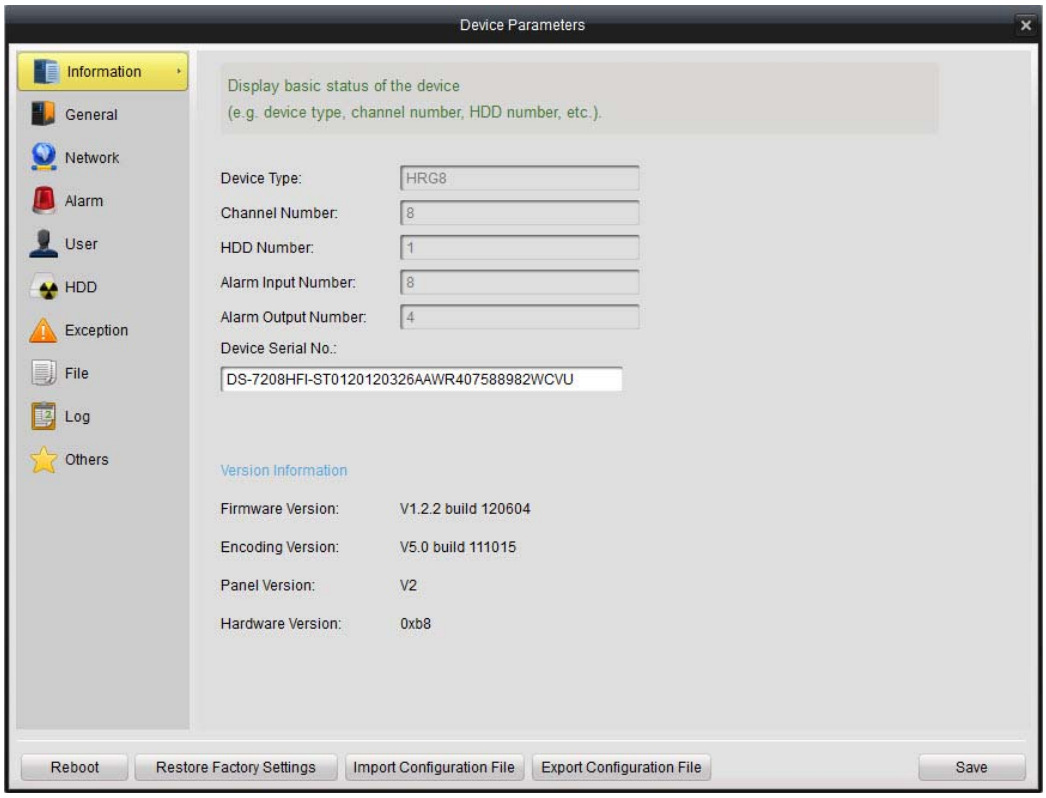
2. Select the device you want to configure, and click

button to enter the Device Parameters window. You can also enter the device management window by clicking the Remote Configuration button in the Import Camera window.

Basic Information

On the Device Parameters page, you can check the basic device information, including device type, total channel number, HDD number, physical Alarm I/O number, Device Serial Number, and version information.

Figure 4-5 Device Parameters



General Settings

On the General Settings page you can set the basic parameters of the device.

Figure 4-6 General Settings

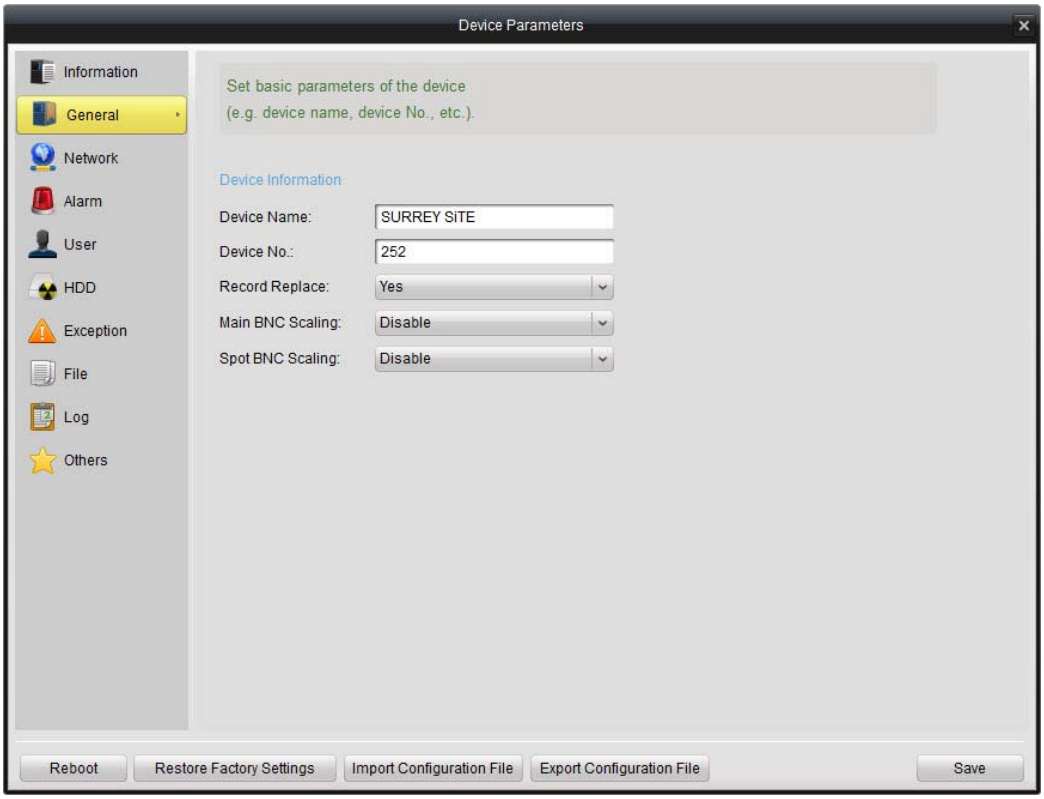


Table 4-3 describes the fields on the General Parameters page.

Table 4-3 General Parameter Fields

Field	Description
Device Name	Provide a name for the device that displays on the device list of the client.
Device No.	Device number for remote control
Record Replace	Overwrite HDDs when the HDDs are full
Main BNC Scaling	Scale image display on the main BNC output
Spot BNC Scaling	Scale image display on the spot BNC output

Camera Management

This feature is not supported at this time.

Network Settings

On the Network Settings page, you can configure network parameters of the device. Two tabs are available for general and advanced settings.

Figure 4-7 Network Settings

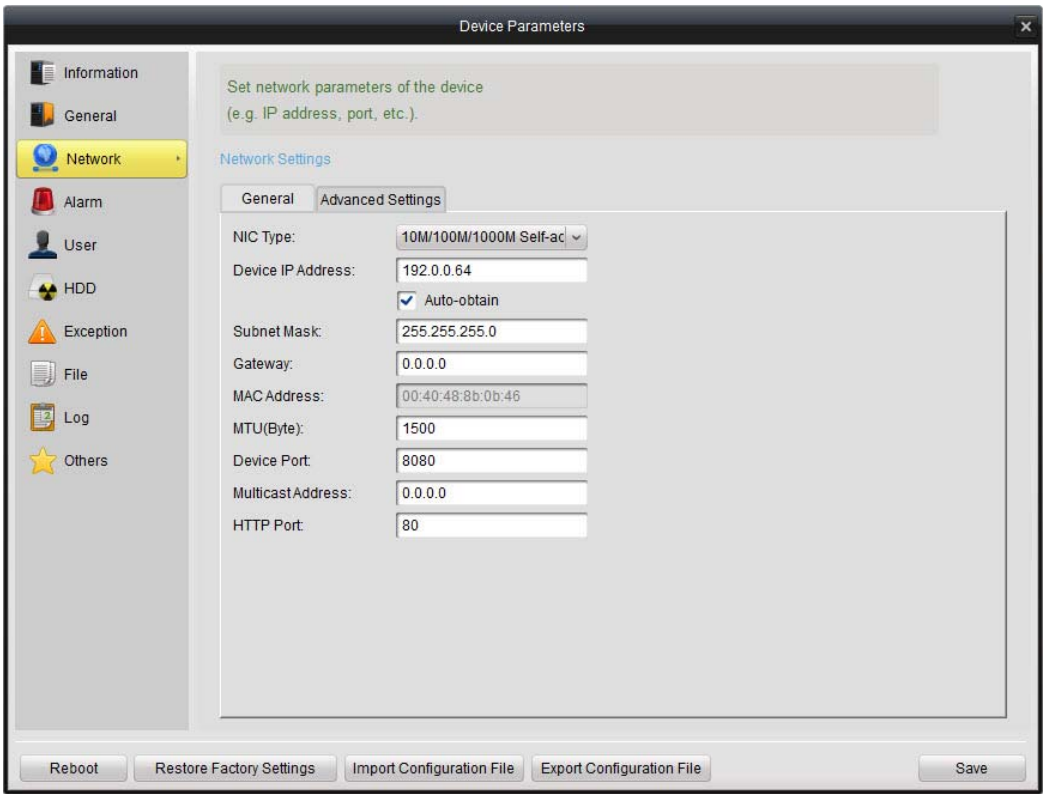


Table 4-4 describes the fields on the Network Settings page.

Table 4-4 Network Settings Fields

Field	Description
Working Mode	Set the working mode. Options are: Net Fault tolerance, Load Balance, or Dual NIC. **Note** These DVR settings are only available for devices with dual NIC connection.
NIC Type	NIC types of the device
Device IP Address	IP address of the device
Subnet Mask	Subnet mask IP for the device
Gateway	Default gateway IP for the device
MAC Address	MAC address of the device. This is a read-only field.
MTU (Byte)	The maximum transport unit. The default value is 1500.
Device Port	Network port of the device. The default port number is 8000.
Multicast Address	Multicast address of the device. Please leave this field empty if multicast is not required.
HTTP Port	Web service port. The default port number is 80.

Advanced Network Settings

Figure 4-8 Advanced Network Settings

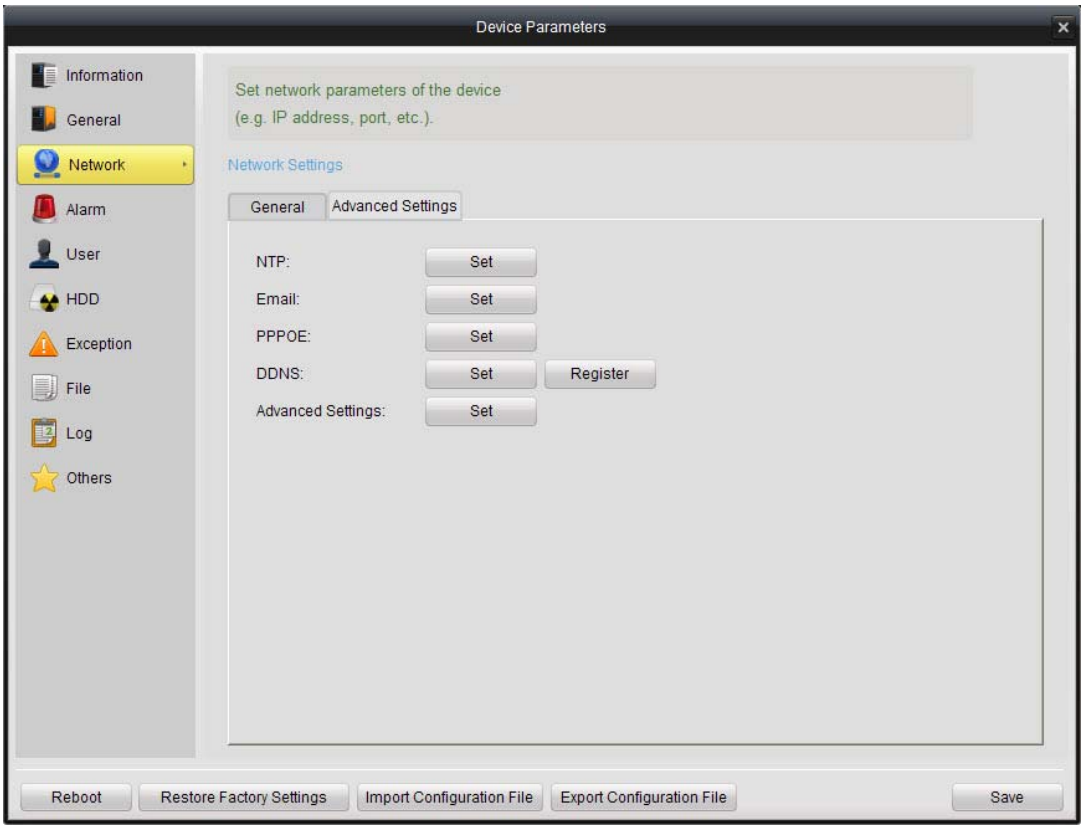


Table 4-5 describes the fields on the Advanced Network Settings page.

Table 4-5 Advanced Network Settings Fields

Field	Description
NTP	**Note** Set the server, port, interval and time for NTP time synchronization.
Email	Email account settings for the device.
PPPOE	Set the PPPOE address, user name, and password for PPPOE.
DDNS	Set the protocol type, account information, server address, and device domain name for DDNS.
	Note After completing the DDNS setup, always click **Register** *after* clicking **Save** at the bottom of the **Device Parameters** screen.
Advanced Settings	Configure DNS server addresses, alarm host IPs, and ports.

Note Click **Set** beside each field to access the advanced settings. Always click **Save** before exiting the **Device Parameters** setup screen.

Alarm Settings

On the Alarm Parameters page you can configure alarm I/O and linkage actions for the device.

Figure 4-9 Alarm Parameters

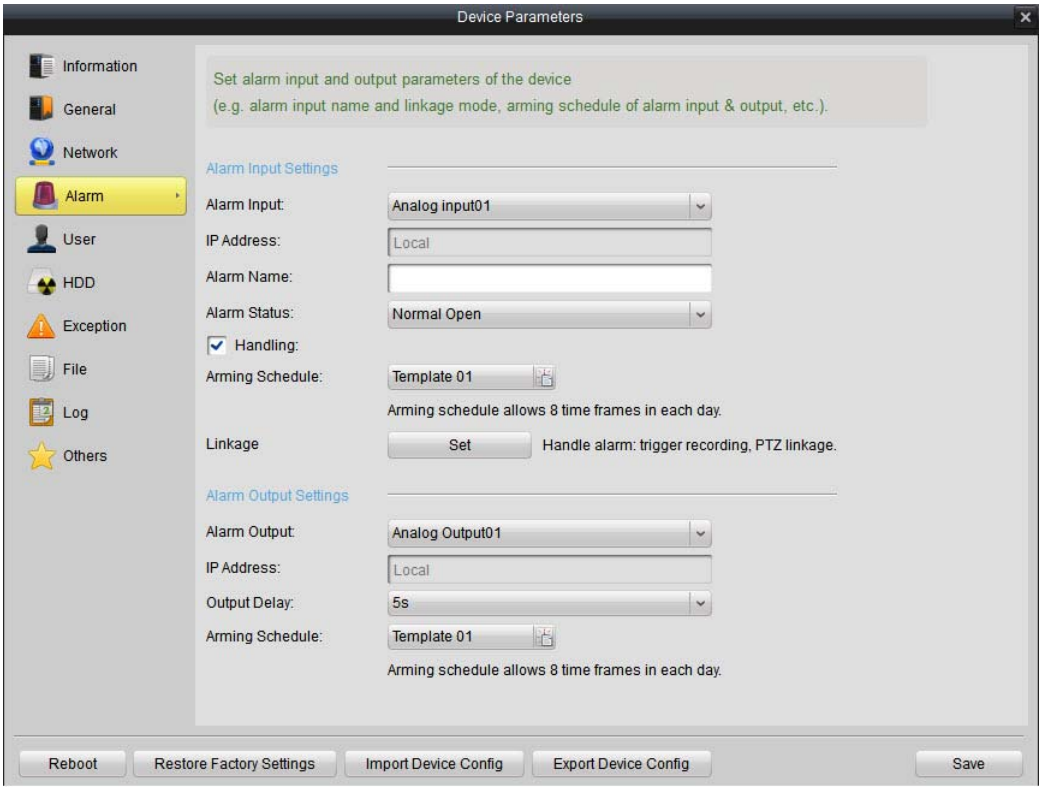


Table 4-6 describes the fields on the Alarm Parameters page.

Table 4-6 Alarm Parameters Fields

Field	Description
Alarm Input Fields	
Alarm Input	Select an alarm input channel for configuration.
IP Address	IP address of the digital alarm input. **Local** is the hard-wired alarm input configuration on the device. This is a read-only field.
Alarm Name	Set a name for the alarm input channel.
Alarm Status	Options are Normal Open and Normal Closed.
Handling	Select this check box to activate alarm linked action settings.
Arming Schedule	Set the time schedule to handle the alarm triggered actions. The schedule template can be configured in **Schedule** settings page of the **Camera Settings** page. See *Recording Schedule on page 92* for more detailed information.
Linkage	Check the alarm actions which are required to be activated when the alarm input triggered, and select corresponding channel number if required.
Alarm Output Fields	
Alarm Output	Select an alarm output channel for configuration.

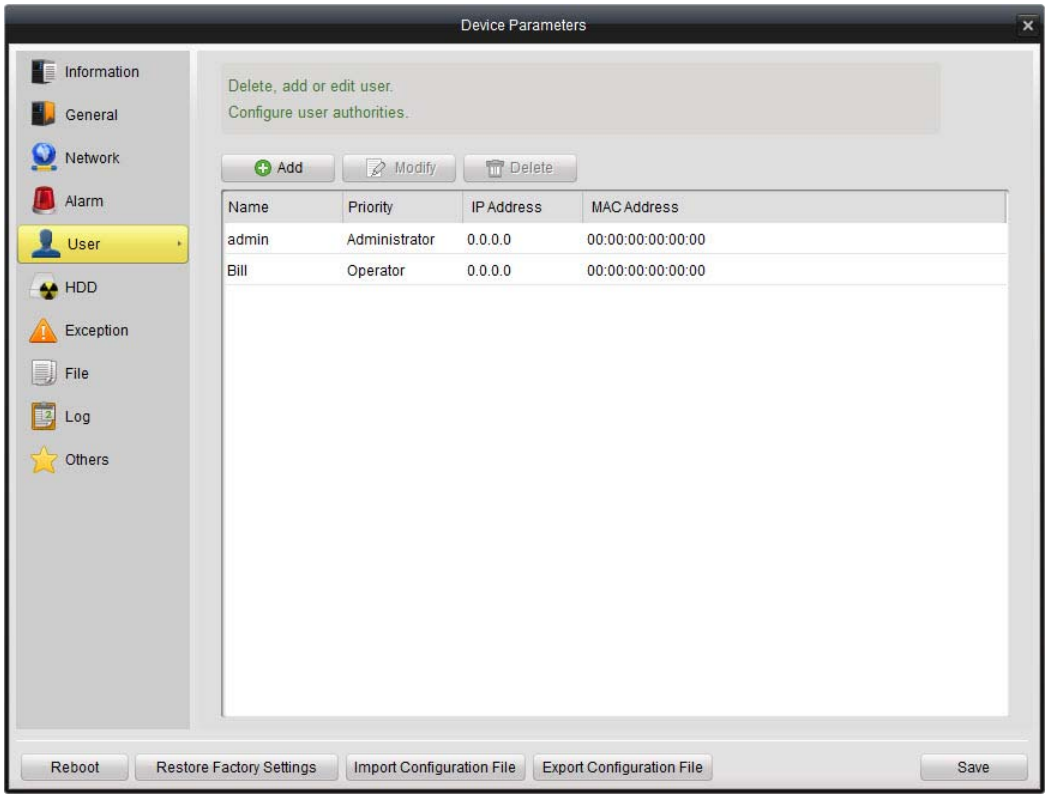
Table 4-6 Alarm Parameters Fields

Field	Description
IP Address	IP address of the digital alarm output. **Local** is the hard-wired alarm input configuration on the device. This is a read-only field.
Output Delay	Select the delay duration for the alarm output.
Arming Schedule	Set the time schedule to handle the alarm triggered actions. The schedule template can be configured in **Schedule** settings page of the **Camera Settings** page. See *Recording Schedule on page 92* for more detailed information.

User Management

On the User Management page you can create or delete user accounts and configure permissions for each connected device.

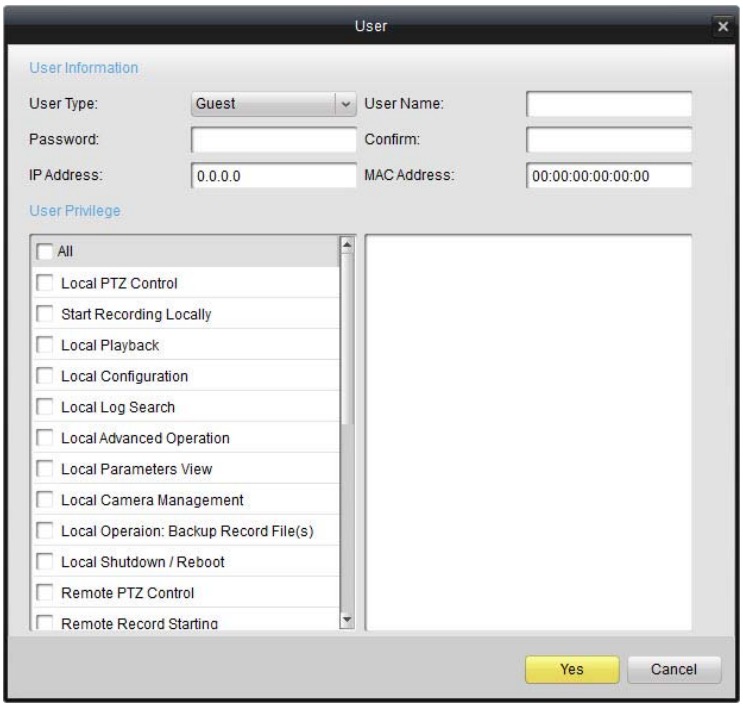
Figure 4-10 User Management



To add a user account:

1. Click Add on the User Management window. The User dialog opens.

Figure 4-11 New User Account Dialog



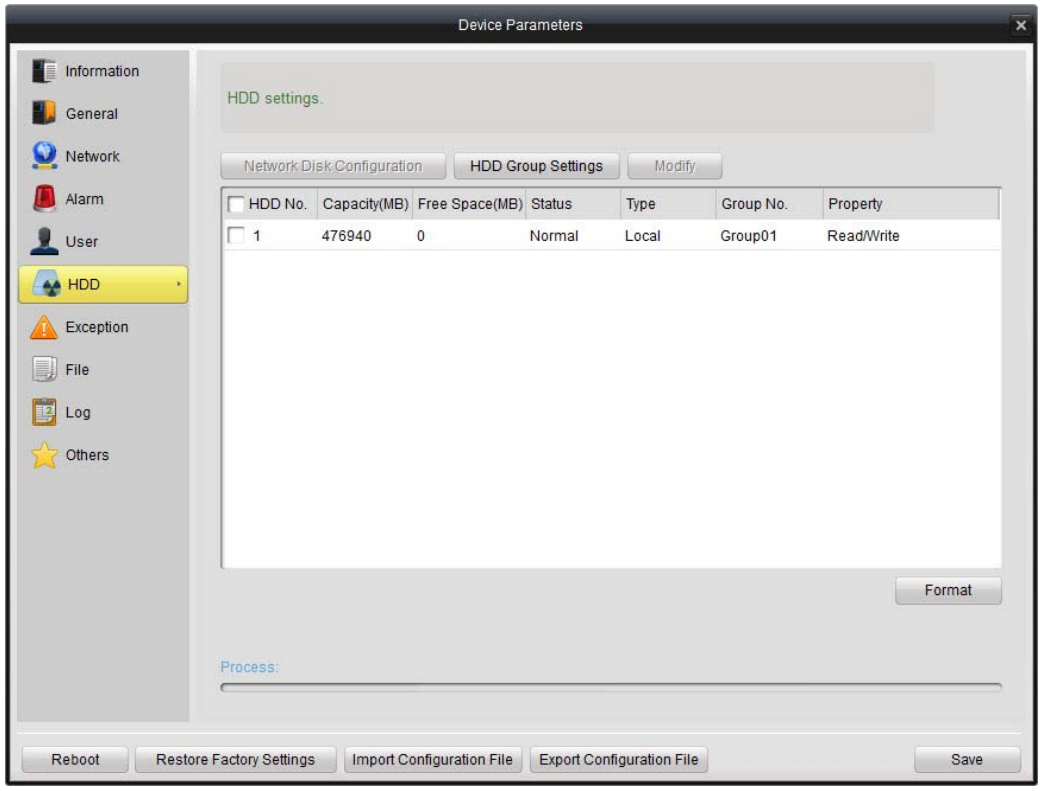
2. Select the User Type (Guest/Operator) from the drop-down list.
3. Type in a user name and password.
4. Select one ore more account privileges to access this device.
5. Click **Yes** to finish.

The created user accounts will be listed in the user list with basic information.

HDD Settings

On the HDD Settings page, all the hard drives installed on the device are listed with basic information. You can configure network disk, HDD groups, modify the information, or format the disks.

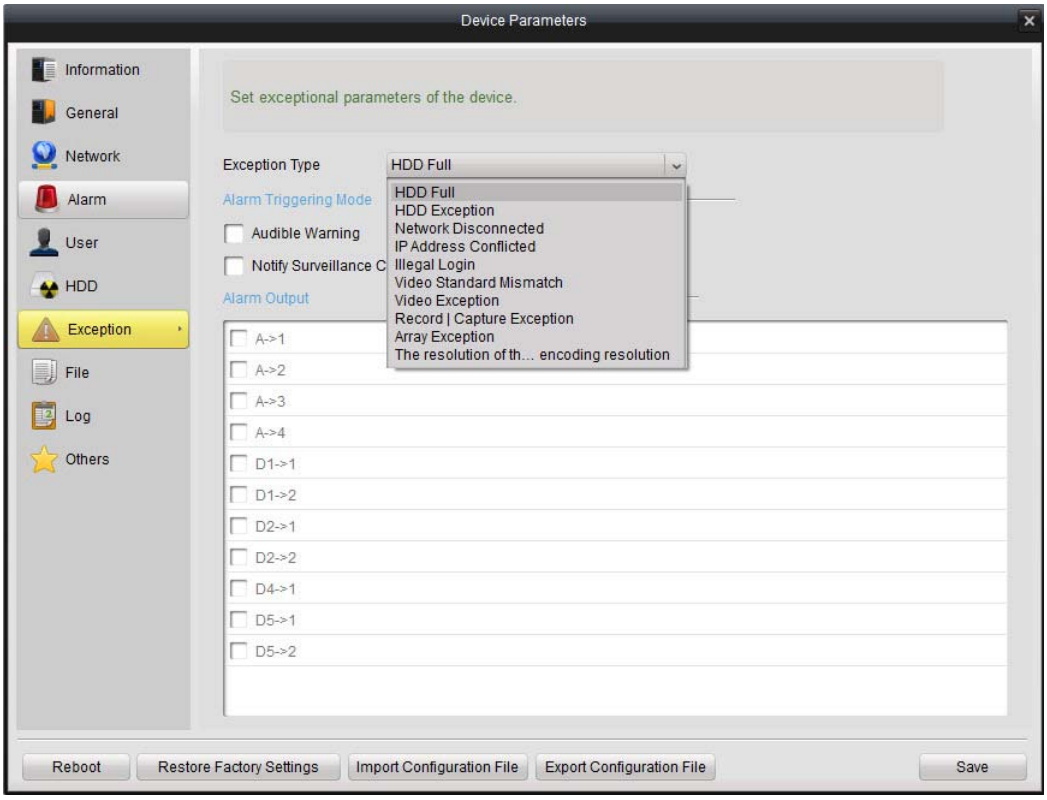
Figure 4-12 HDD Settings



Exception Settings

In the Exception Settings window, you can select the exception type and check the linkage actions accordingly under Alarm Triggering Mode section. You can also select the channel number in the Alarm Output section. Different linkage actions can be configured for each different exception type.

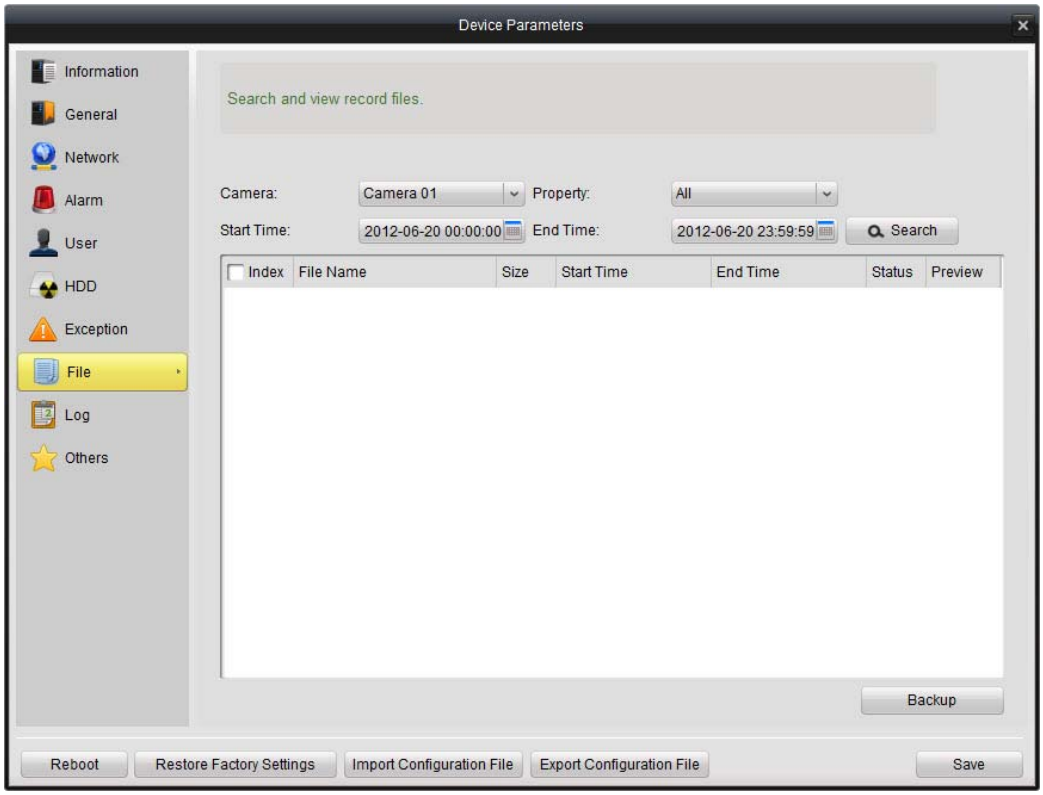
Figure 4-13 Exception Settings



File Management

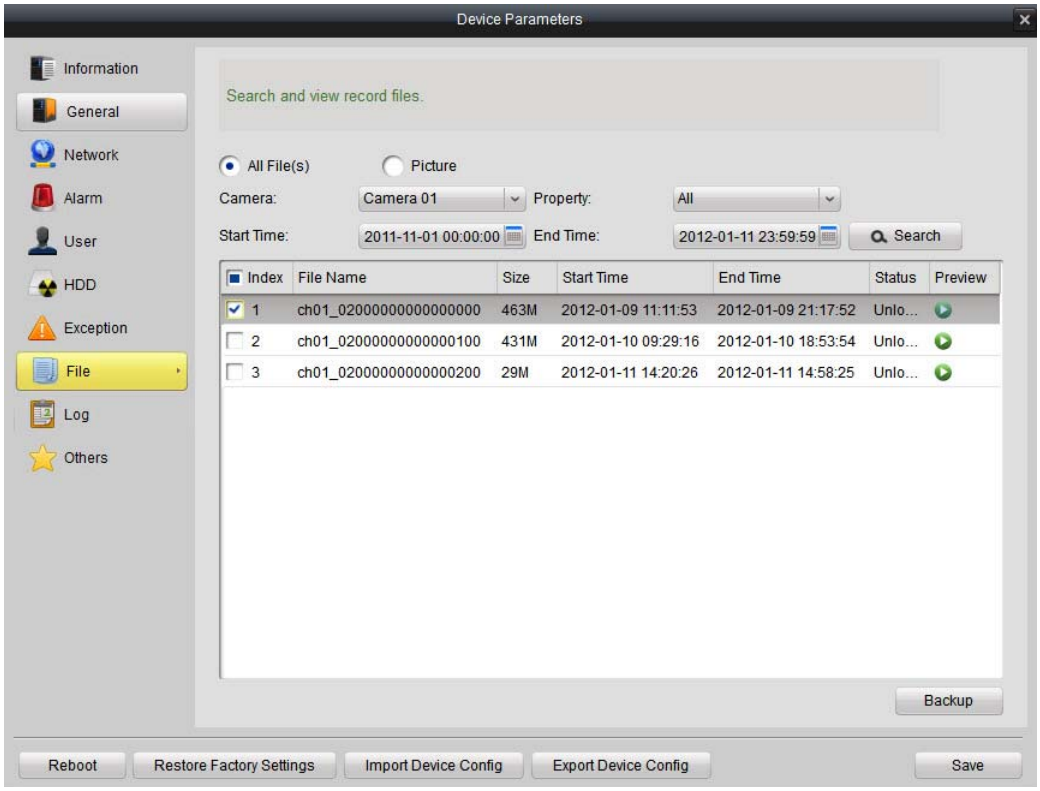
On the File Management window, you can search and view the record files of the device. You can also select the camera number, file property (all, locked, or unlocked), define the start and end time of the record files, and then click Search. The matched record files are listed accordingly.

Figure 4-14 File Management



If the device supports remote backup function, you can also select the files, then click **Backup** to back up the files.

Figure 4-15 File Management Backup



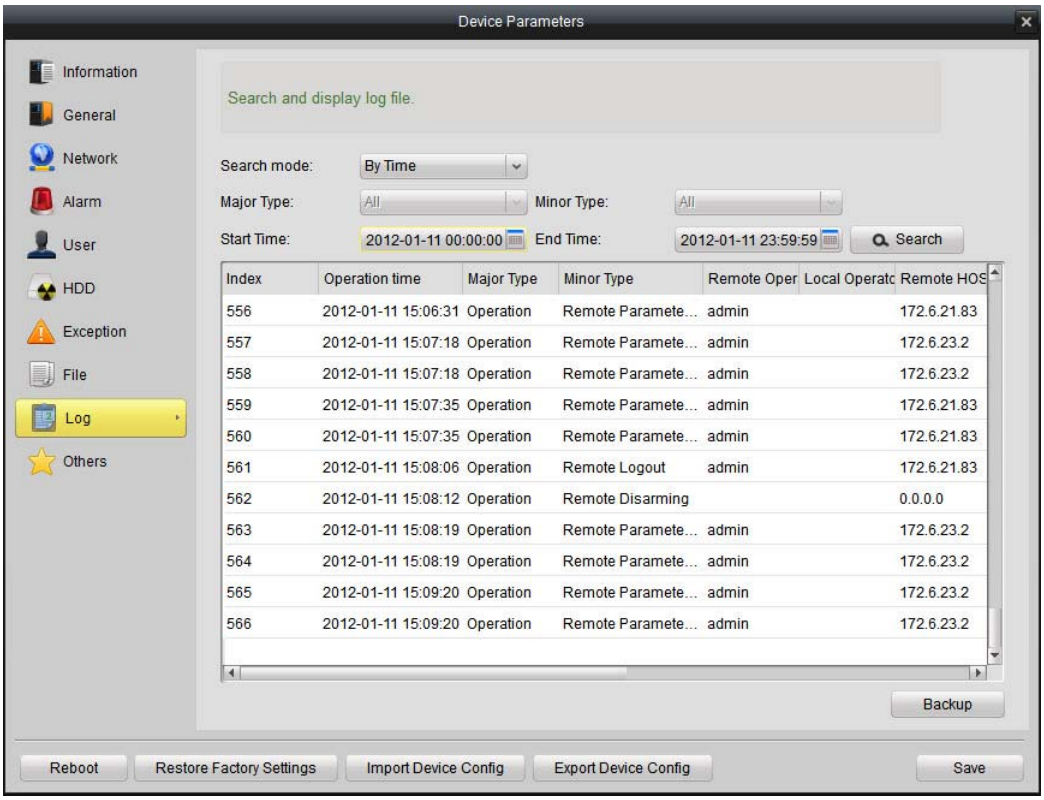
Log Management

In the Log Management window you can query log files of the connected device.

To search for log files:

1. Select the search mode, major type and minor type,
2. Define the start and end time of the log files
3. Click Search. The log will be listed accordingly.

Figure 4-16 Log Management Search

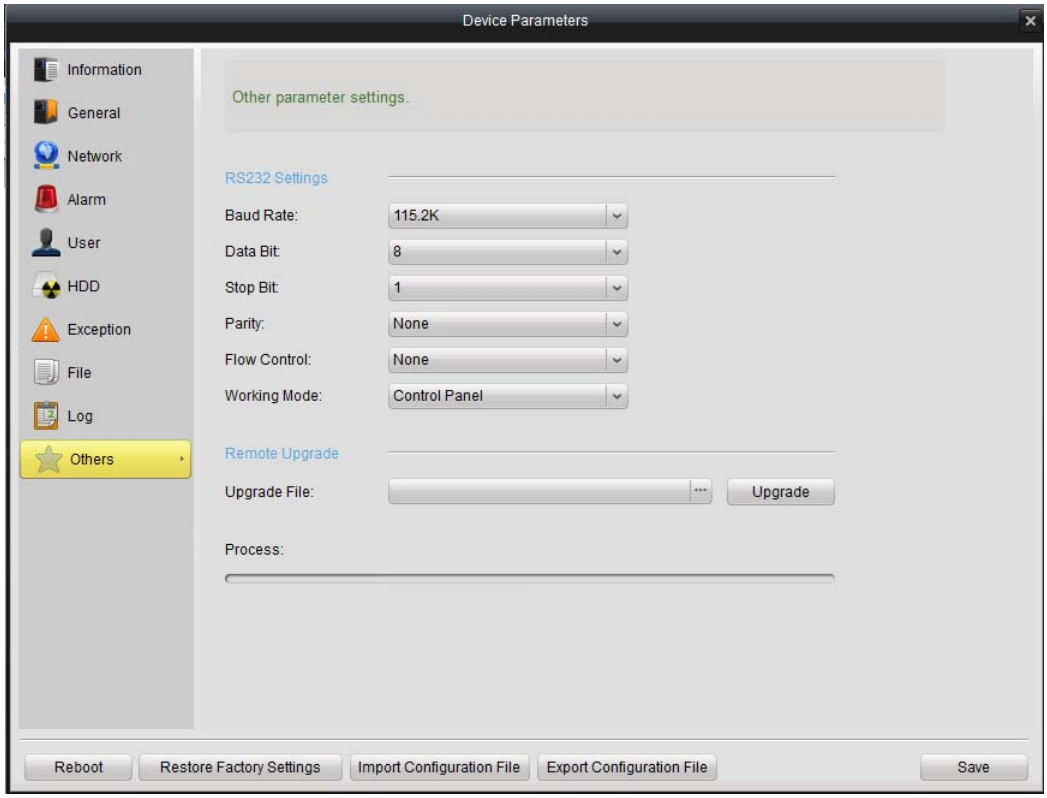

Device Parameters
Information
General
Network
Alarm
User
HDD
Exception
File
Log
Others
Search and display log file.
Search mode: By Time
Major Type: All
Minor Type: All
Start Time: 2012-01-11 00:00:00
End Time: 2012-01-11 23:59:59
Search
Index Operation time Major Type Minor Type Remote Oper Local Operatc Remote HOS
556 2012-01-11 15:06:31 Operation Remote Paramete... admin 172.6.21.83
557 2012-01-11 15:07:18 Operation Remote Paramete... admin 172.6.23.2
558 2012-01-11 15:07:18 Operation Remote Paramete... admin 172.6.23.2
559 2012-01-11 15:07:35 Operation Remote Paramete... admin 172.6.21.83
560 2012-01-11 15:07:35 Operation Remote Paramete... admin 172.6.21.83
561 2012-01-11 15:08:06 Operation Remote Logout admin 172.6.21.83
562 2012-01-11 15:08:12 Operation Remote Disarming 0.0.0.0
563 2012-01-11 15:08:19 Operation Remote Paramete... admin 172.6.23.2
564 2012-01-11 15:08:19 Operation Remote Paramete... admin 172.6.23.2
565 2012-01-11 15:09:20 Operation Remote Paramete... admin 172.6.23.2
566 2012-01-11 15:09:20 Operation Remote Paramete... admin 172.6.23.2
Backup
Reboot
Restore Factory Settings
Import Device Config
Export Device Config
Save

If the device supports remote backup function, you can also select logs and then click **Backup** to back up all the selected log files.

Other Settings (RS-232 Settings and Remote Upgrade)

In this window, you can set the RS232 information and remotely upgrade the device.

Figure 4-17 Other Settings



For remote upgrade function, click to browse and select the upgrade file, then click **Upgrade** to start upgrading. The upgrade process displays. A device reboot is required to complete the upgrade.

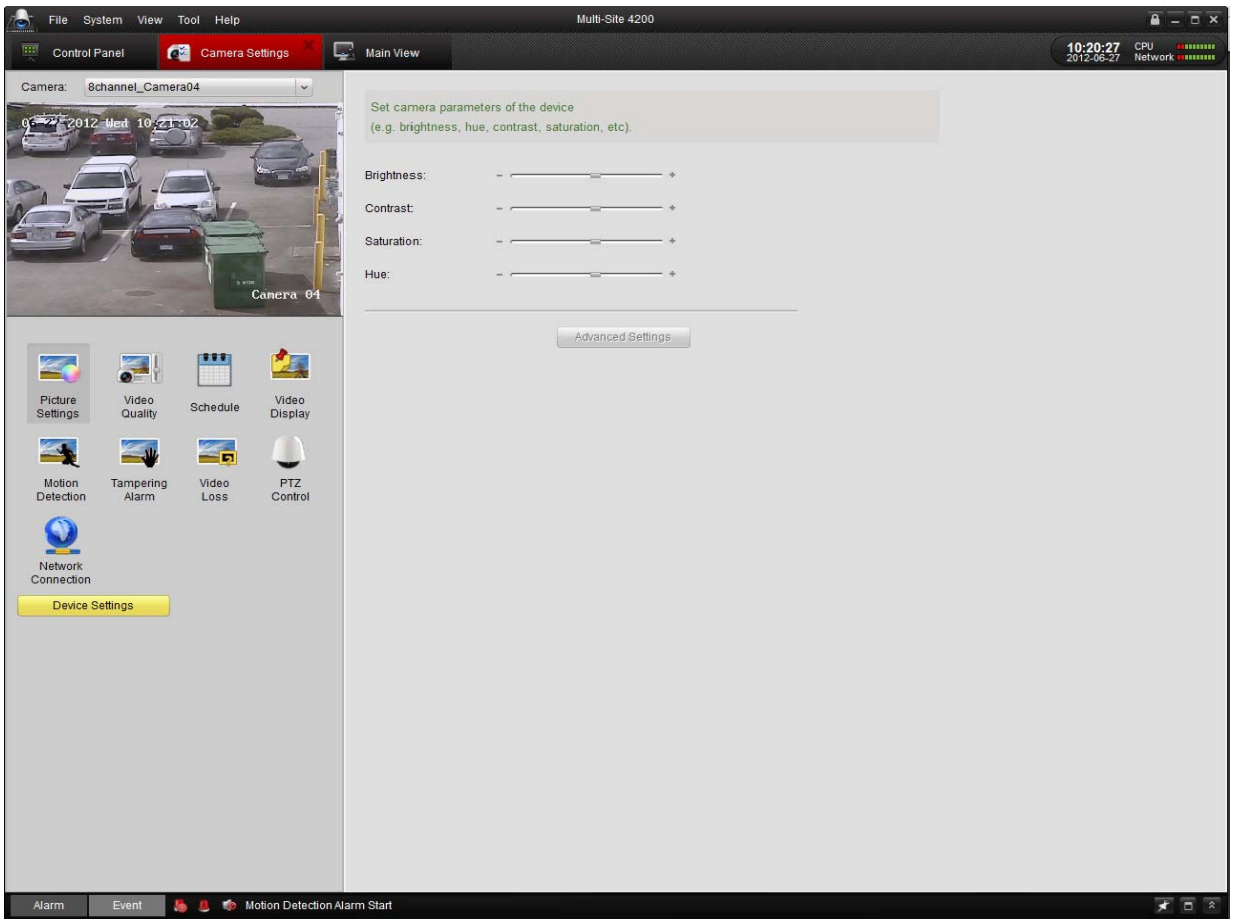
Camera Settings

Use the Camera Settings window to set the camera parameters for the camera.

1. Click **Camera Settings**

on control panel to enter the camera setting window.

Figure 4-18 Camera Settings



2. Select a camera from the drop-down list in the upper left corner of the window. The live image of the camera displays on the screen below.
3. Click the icons in the bottom left area to enter each configuration page. You can also click Device Settings icon to manage the device. Please see *Remote Device Management and Configuration, page 75* for more information.

Follow *Table 4-7* to use the icons on the Camera Settings window to configure various camera parameters.

Table 4-7 Alarm Parameters Fields

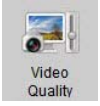
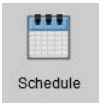
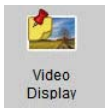
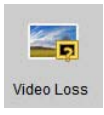
Icon	Description
	Set camera parameters of the camera. See *Picture Settings, page 89*.
	Set image quality, resolution, and other encoding parameters of the camera. See *Video Quality, page 90*.
	Set a recording schedule for the camera. See *Recording Schedule, page 92*.

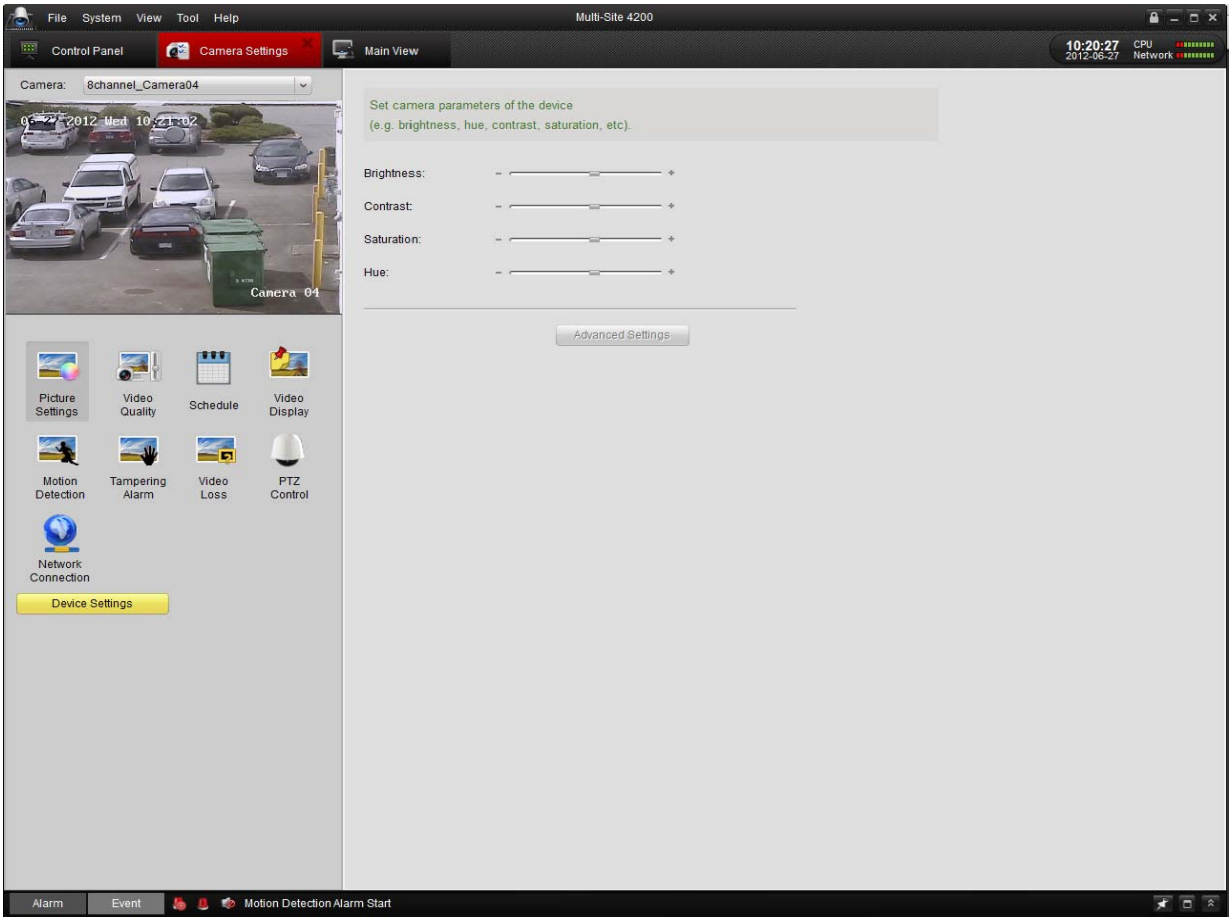
Table 4-7 Alarm Parameters Fields

Icon	Description
	Set the camera display parameters (for example, OSD and privacy area). See *Video Display, page 94*.
	Set motion detection parameters for the camera. See *Motion Detection, page 97*.
	Set tampering alarm parameters for the camera. See *Tampering Alarm, page 98*.
	Set video loss alarm parameters for the camera (for example, arming schedule, linkage mode, and so on). See *Video Loss Detection, page 99*.
	Set PTZ parameters, including baud rate, protocol and so on. See *PTZ Parameters Settings, page 100*.
	Set connection parameters for the camera. See *Network Connection, page 101*.

Picture Settings

Use the Picture Settings window to set the quality of the picture. You can adjust the brightness, contrast, saturation and hue of the video image.

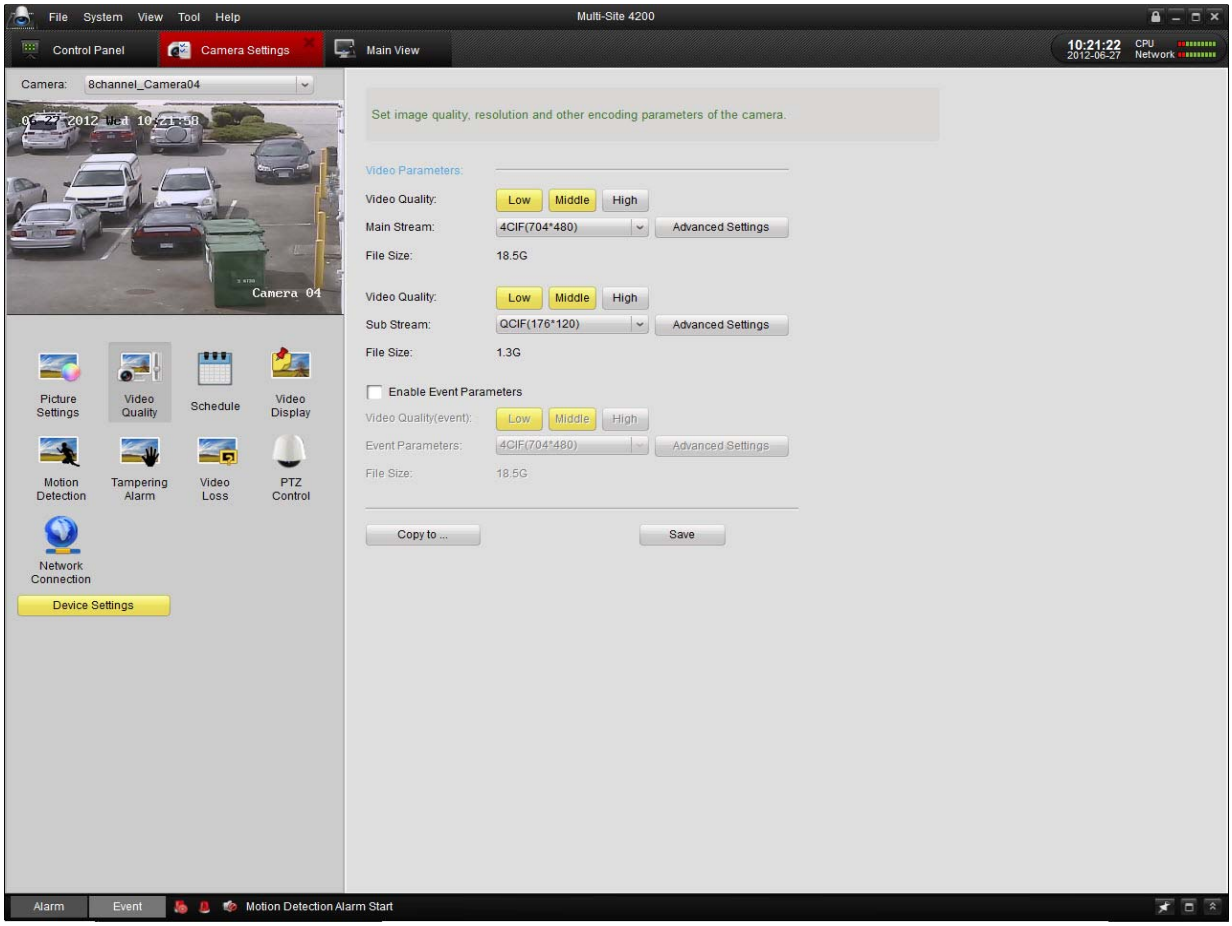
Figure 4-19 Picture Settings



Video Quality

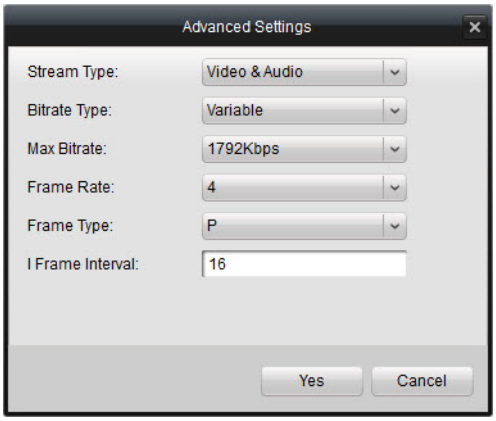
Use the Video Quality page to configure parameters for main stream and sub-stream separately. You can set video quality and resolution on the main window.

Figure 4-20 Video Quality



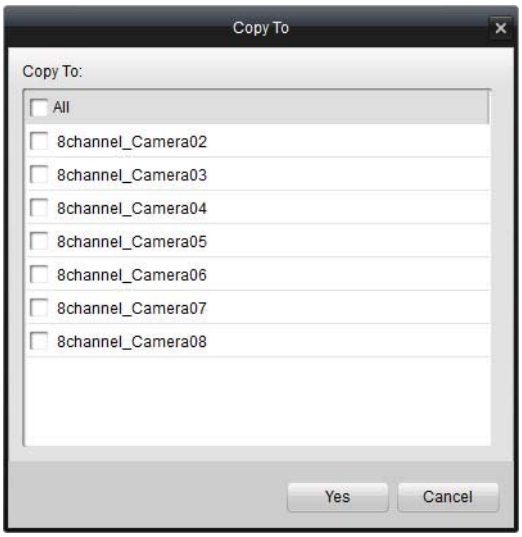
Click Advanced Settings to access the advanced setting window where you can configure stream type, bitrate type, max bitrate, frame rate, frame type, and frame interval.

Figure 4-21 Advanced Settings



Click Copy to ... to copy the settings to other cameras within the same DVR.

Figure 4-22 Copying Camera Settings

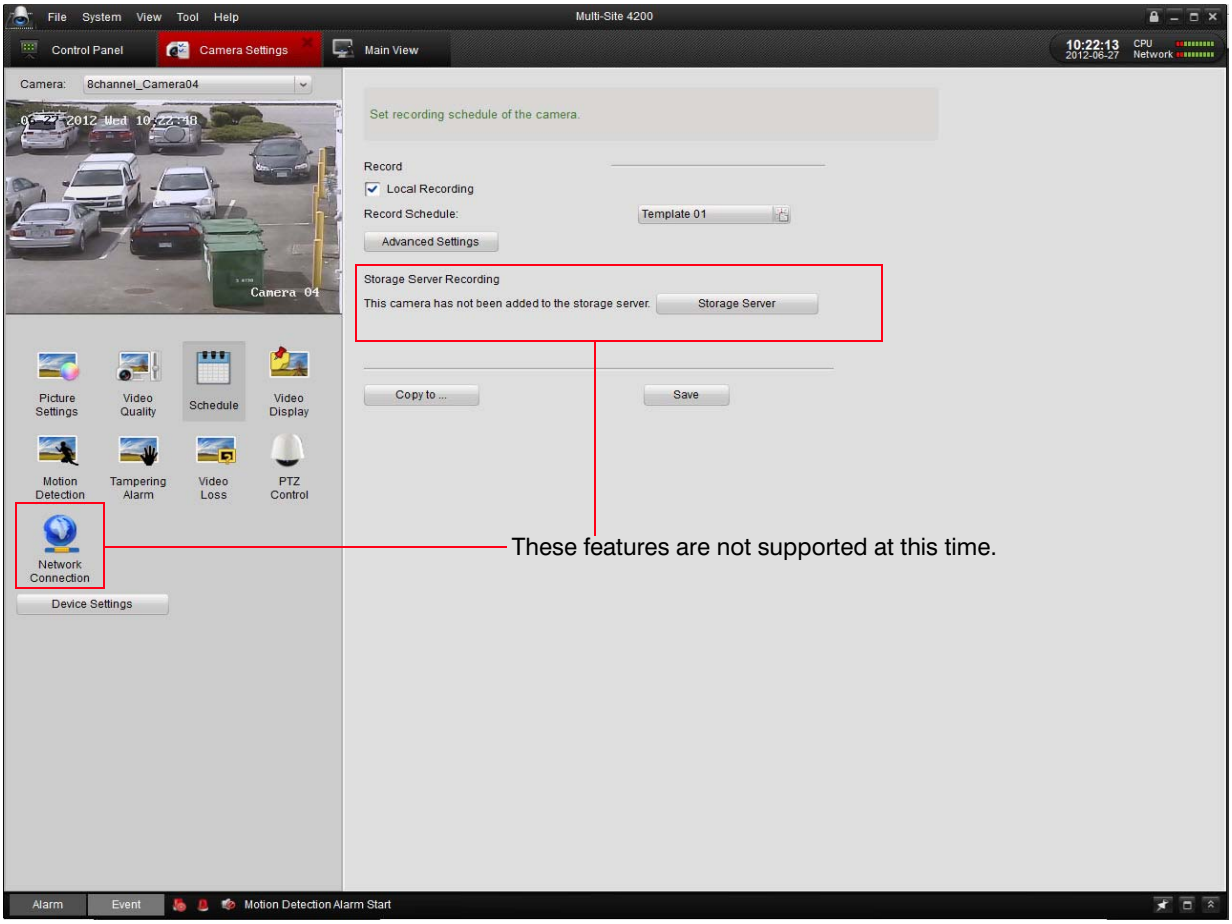


Recording Schedule

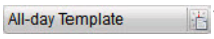
You can set recording schedule parameters to enable automatic recording in a specific time duration.

Note Parameters in the Record section are set for the camera you have selected. For Storage Server Recording parameters, you need to add a storage server first.

Figure 4-23 Recording Schedule

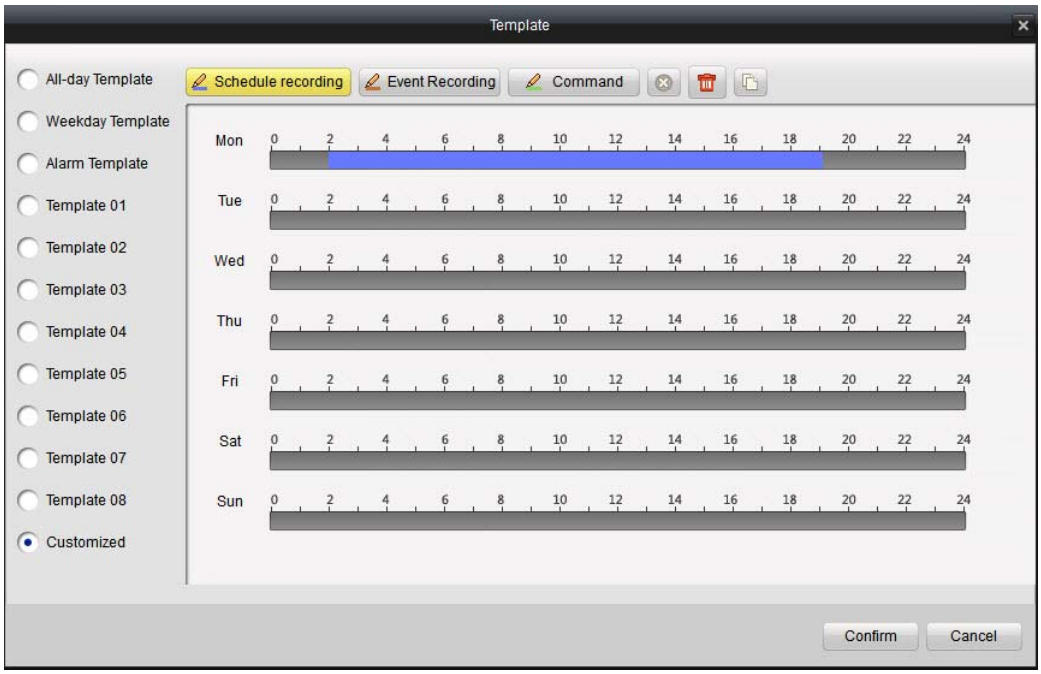


To set a record schedule template:

1. Click  to enter template configuration window.

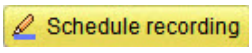
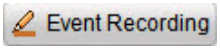
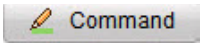
2. You can choose from pre-designed All-day Template, Weekday Template or Alarm Template, or customize your own record template.
3. Select one of undefined templates or click **Customized** to activate the edit mode.
4. Click Schedule Recording, Event Recording or Command for different recording types.
5. Drag the mouse on the time bar to define the record time window for each day.

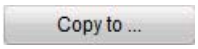
Figure 4-24 Schedule Template



6. Click the colored bar to display the specific time schedule. You can also shorten or extend the time window by amending the length of the bar.
7. Follow *Table 4-8* to use the icons and tabs on the Template screen to perform my schedule functions.

Table 4-8 Template Screen Icons and Buttons

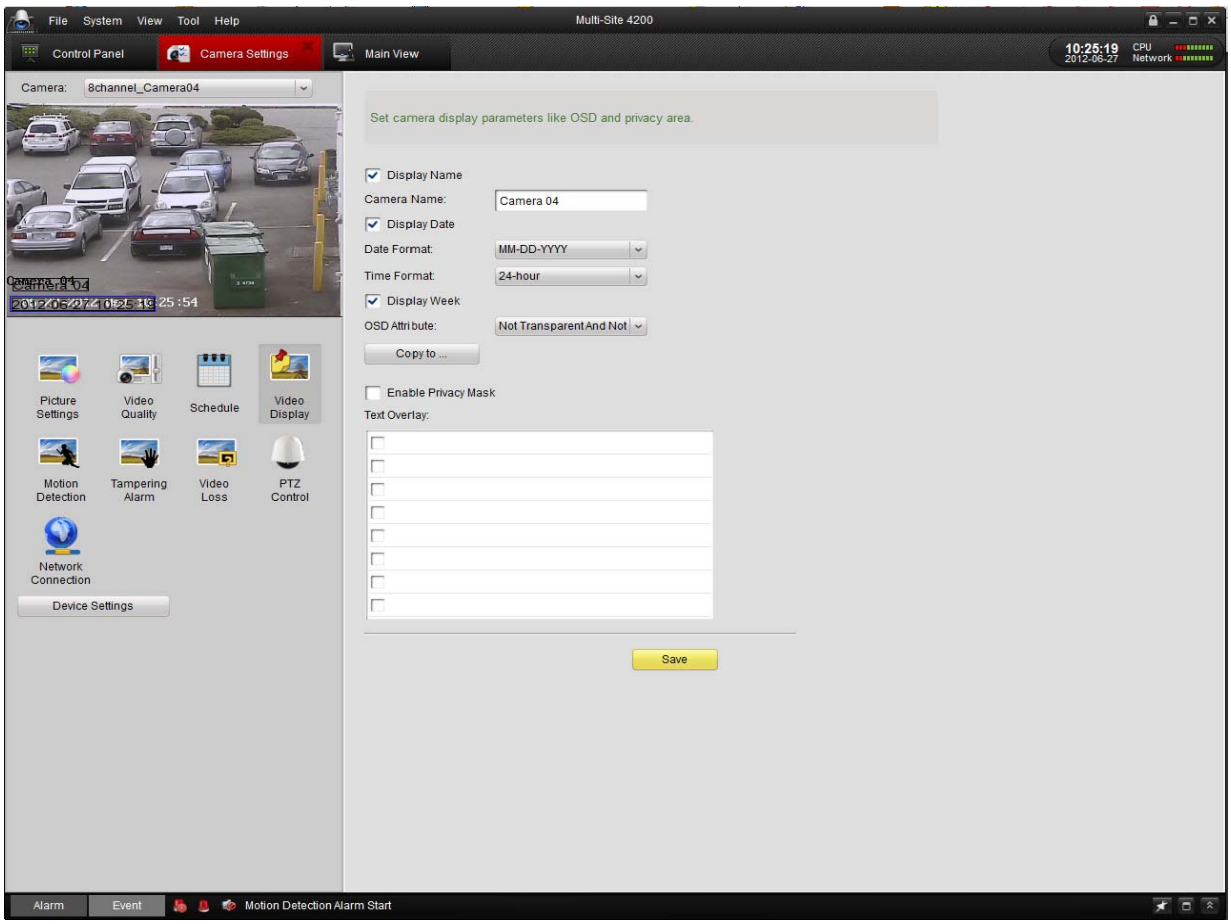
Icon	Description
	Delete the selected schedule.
	Clear all the record schedules of the selected template.
	Copy the selected schedule section to other day(s).
	Normal scheduled recording. The schedule time bar is blue.
	Schedule recording for events. The schedule time bar is yellow.
	Schedule recording triggered by commands. The schedule time bar is green. **Note** This function is not available at this time.

8. Click  to copy the settings to other cameras within the same DVR.

Video Display

Use the Video Display window to define the video display parameters for the camera.

Figure 4-25 Video Display



9. Follow *Table 4-9* to set video display parameters for the camera.

Table 4-9 Video Display Fields

Field	Description
Display Name	The camera name displayed on the live video
Display Date	The date and time format that is displayed on the live video
Display Week	Display the week on the live video
Enable Privacy Mask	Enable the privacy mask function on the live video. Drag the mouse on the live video to set the mask area.
Text Overlay	Edit user-defined text to display on the live video.

You can set privacy masks, configure OSD and define the text locations on the live video.

Drawing a Privacy Mask

To draw a privacy mask:

1. Select the **Enable Privacy Mask** check box.
2. Select **Draw Privacy Mask Area** in the drop-down list under the live view area.
3. Drag the mouse to draw a square on the live video. You can move it to change the location or change the size by enlarging or reducing the area

Figure 4-26 Drawing a Privacy Mask.

4. You can also click or under the view to delete the privacy mask.

Note You can configure up to four privacy masks.

5. Click Save to finish.

Setting the OSD and Text Overlay

To configure the OSD and text overlay:

1. To define the text overlay, select one of the text check boxes under **Text Overlay**, and enter the content. Click Save . The text displays in the left upper corner of the live view area.
2. Select Insert OSD/Camera Name/Text option from the drop-down list and drag the mouse to move the OSD or the defined text window to change the location on the live video.

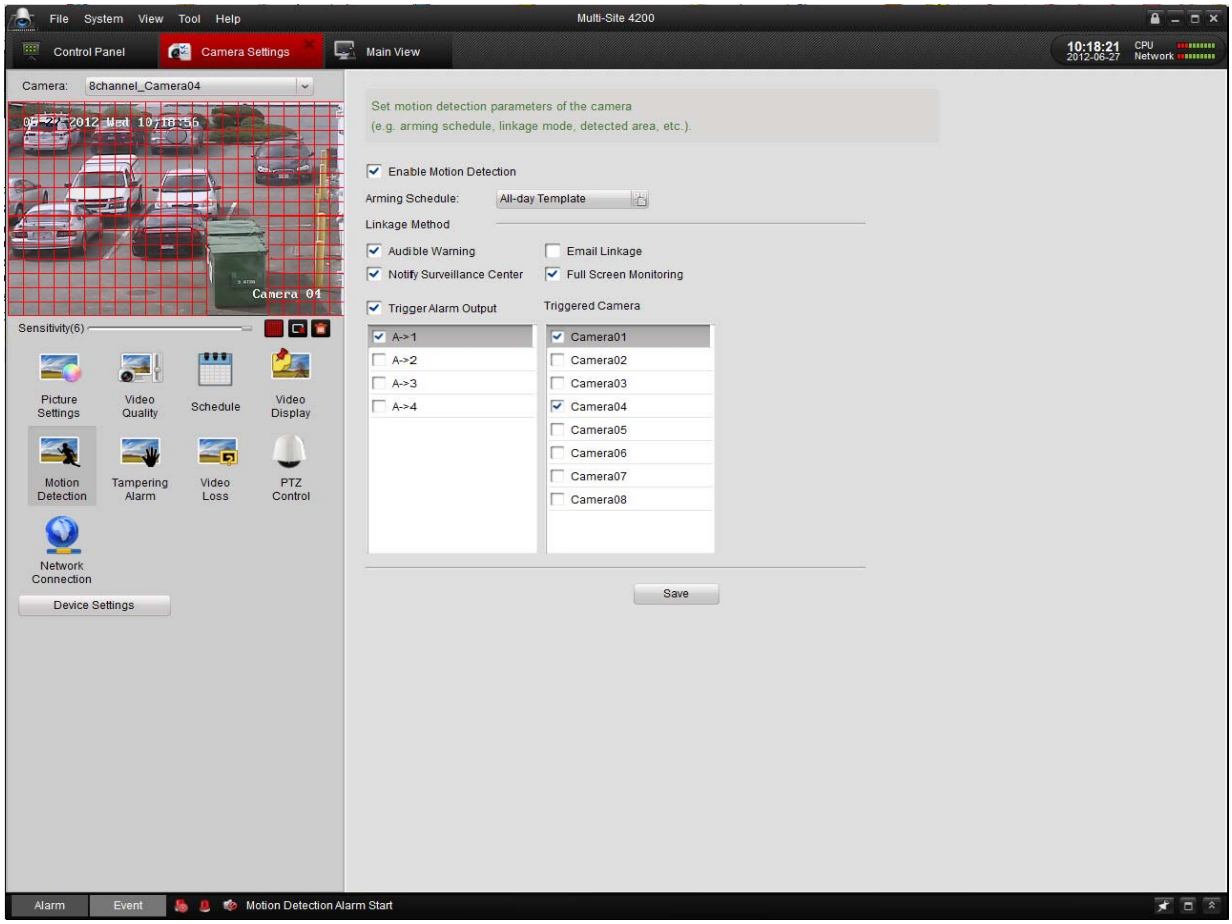
Figure 4-27 Moving the OSD/Camera Name/Text

3. Click Save to finish.

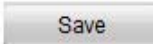
Motion Detection

Use the Motion Detection window to configure motion detection parameters.

Figure 4-28 Motion Detection



To configure motion detection:

1. Select the **Enable Motion Detection** check box to enable the function.
2. Draw the detection area on the video image by dragging the mouse and set the sensitivity on the value bar under the live view.
3. Click to set the whole video area as detection area; click to delete the selected detection area; or click to delete all the motion detection areas.
4. Click the template selection button of Arming Schedule to setup the schedule for motion detection. The steps are similar to record schedule configuration. You can refer to section 5.4.3 for more information.
5. Configure linkage methods for motion detection. Please refer to *Table 4-11* on *page 99* for linkage method details.
6. Click  to save the changes.

7. Follow *Table 4-10* to understand the motion detection parameters for the camera.

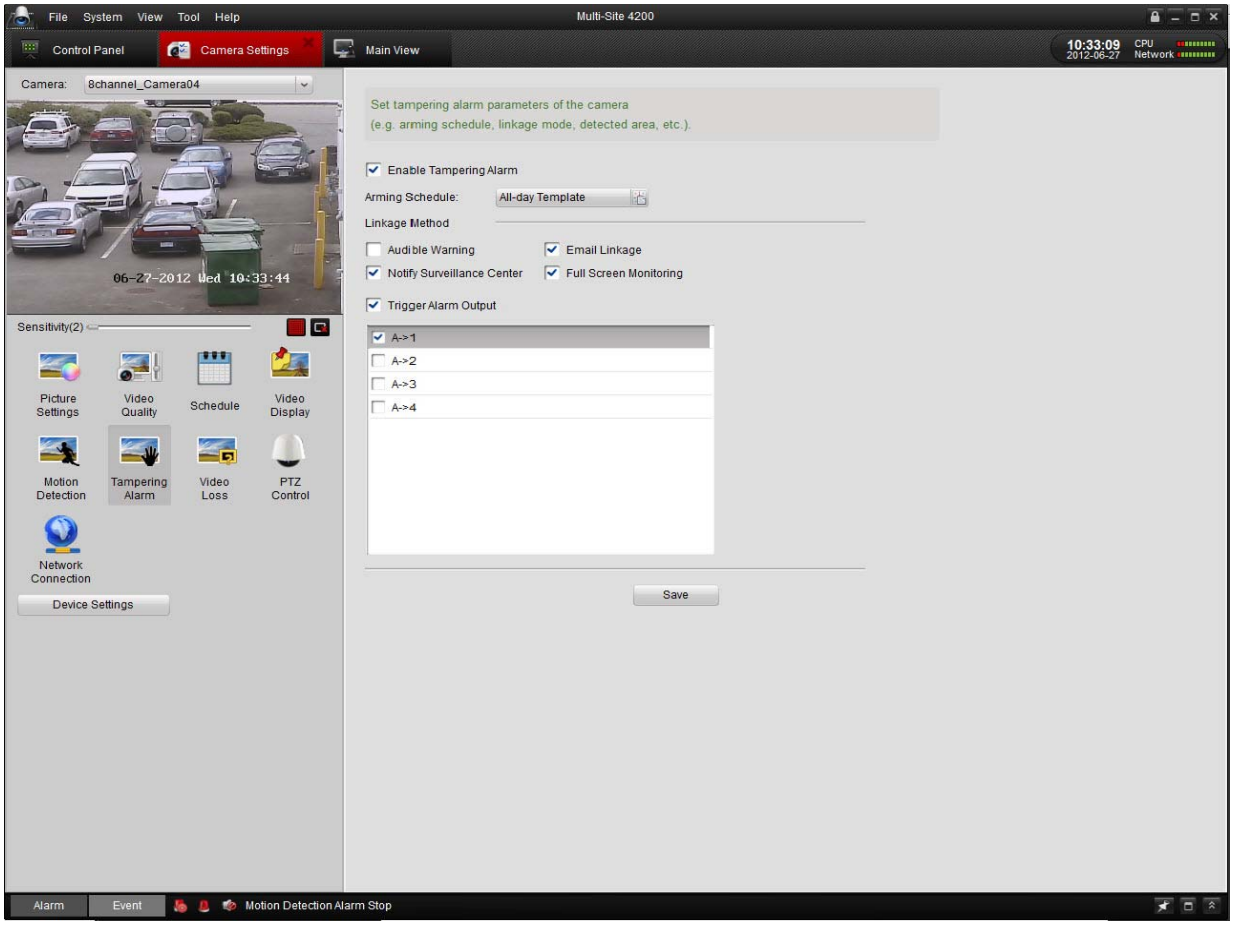
Table 4-10 Motion Detection Fields

Field	Description
AudibleWarning	Trigger audible warning on the device when motion detection is triggered.
Notify Surveillance Center	Upload alarm information to the CMS software when motion detection is triggered.
Trigger Alarm Output	Activate one or multiple channels of alarm output when motion detection is triggered. Users need to specify the corresponding alarm output channel(s) in Alarm Output Settings. See *Alarm Settings on page 80* for more information on alarm settings.
Email Linkage	Send an email when tampering alarm is triggered.
Full Screen Monitoring	Switch to full screen to monitor video when an alarm is triggered.

Tampering Alarm

Tampering Alarm is an alarm triggered when the camera is covered and the monitored area can't be seen. You can configure tampering alarm parameters in the Tampering Alarm window.

Figure 4-29 Tampering Alarm



To configure tampering alarm:

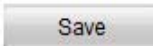
1. Check **Enable Tampering Alarm** checkbox to enable the function.
2. Draw the tampering detection area on the video image by dragging the mouse and setting the sensitivity on the value bar under the live view.
3. Click to set the whole video area as detection area and click to delete the selected detection area.
4. Click the template selection button of Arming Schedule to setup the schedule for tempering alarm. The steps are similar to configuring a recording schedule. See *Recording Schedule on page 92* for more information.
5. Configure linkage methods for tampering alarm. Follow *Table 4-11* for linkage method details.
6. Click  to save the changes. .

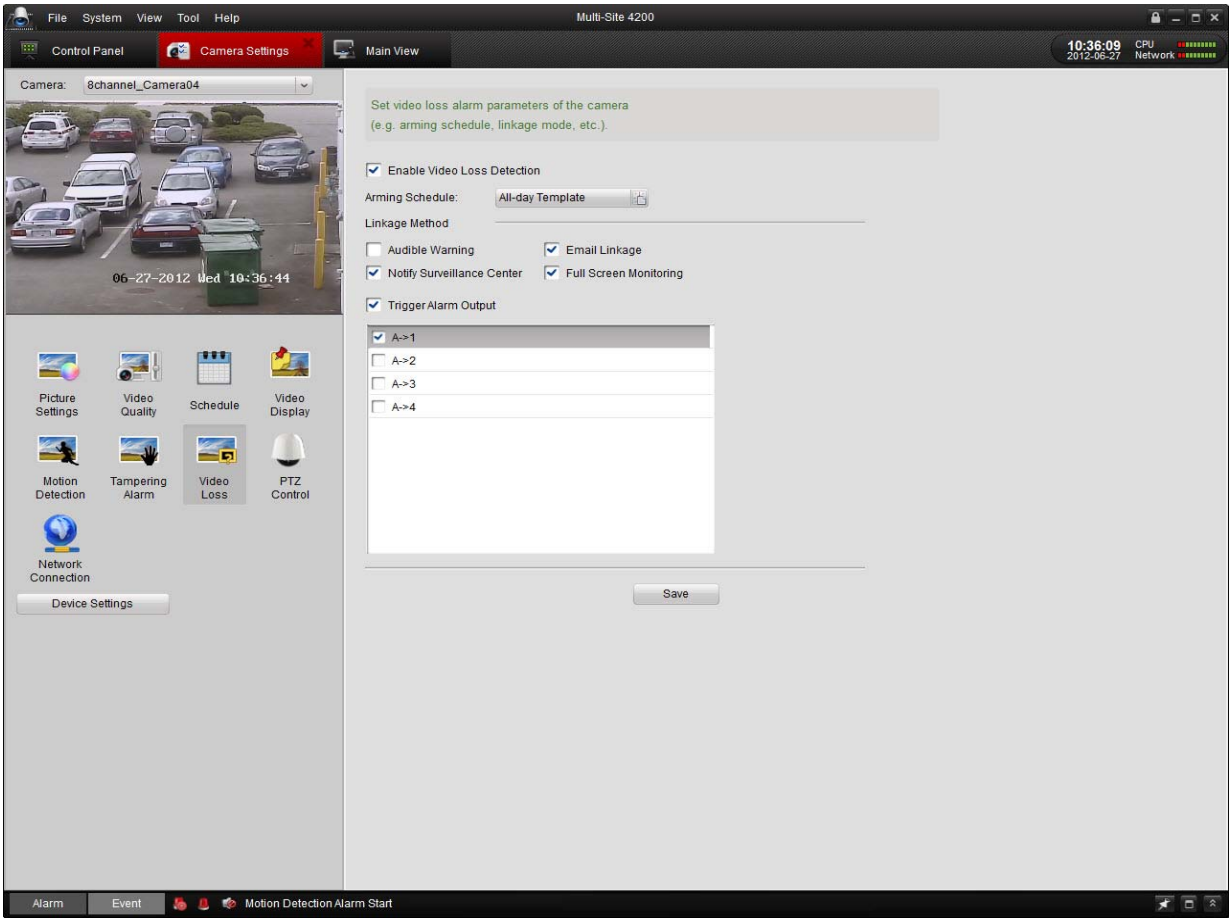
Table 4-11 Linkage Method for Tampering Alarm Fields

Field	Description
Audible Warning	Trigger audible warning on the device when motion detection is triggered.
Notify Surveillance Center	Upload alarm information to the CMS software when motion detection is triggered.
Trigger Alarm Output	Activate one or multiple channels of alarm output when motion detection is triggered. Users need to specify the corresponding alarm output channel(s) in Alarm Output Settings. See *Alarm Settings on page 80* for more information on alarm settings.
Email Linkage	Send an email when tampering alarm is triggered.
Full Screen Monitoring	Switch to full screen to monitor video when an alarm is triggered.

Video Loss Detection

Video Loss detection is used to detect the disconnection of the channels. You can configure video loss alarm parameters of the camera in Video Loss window.

Figure 4-30 Video Loss Detection



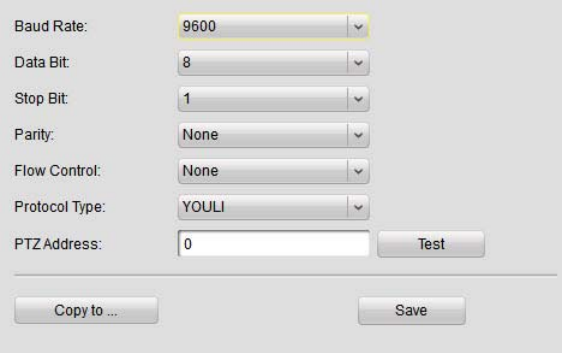
To configure video loss detection:

1. Select **Enable Video Loss Detection** checkbox to enable the function.
2. Click the template selection button of Arming Schedule to setup the schedule for video loss detection. The steps are similar to record schedule configuration. See *Recording Schedule on page 92* for more information.
3. Configure linkage methods for video loss detection. See *Table 4-11* for linkage method details.
4. Click Save to save the changes.

PTZ Parameters Settings

Use the PTZ parameters configuration page to specify the PTZ connection parameters, such as baud rate, data bit, stop bits, parity, flow control, PTZ protocol and PTZ address.

Figure 4-31 PTZ Parameters



Note The PTZ parameters should be consistent with the settings of the PTZ on the DVR to ensure valid PTZ control.

Click Save to save the changes. You can also click Copy to ... to copy the settings to other cameras within the same group.

Network Connection

Camera Type is the only setting that is supported at this time. This setting selects which camera stream is used for video on the Multi-Site Client software.

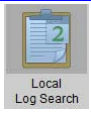
5

Log Management

This chapter describes managing logs with the Multi-Site 4200 software, including:

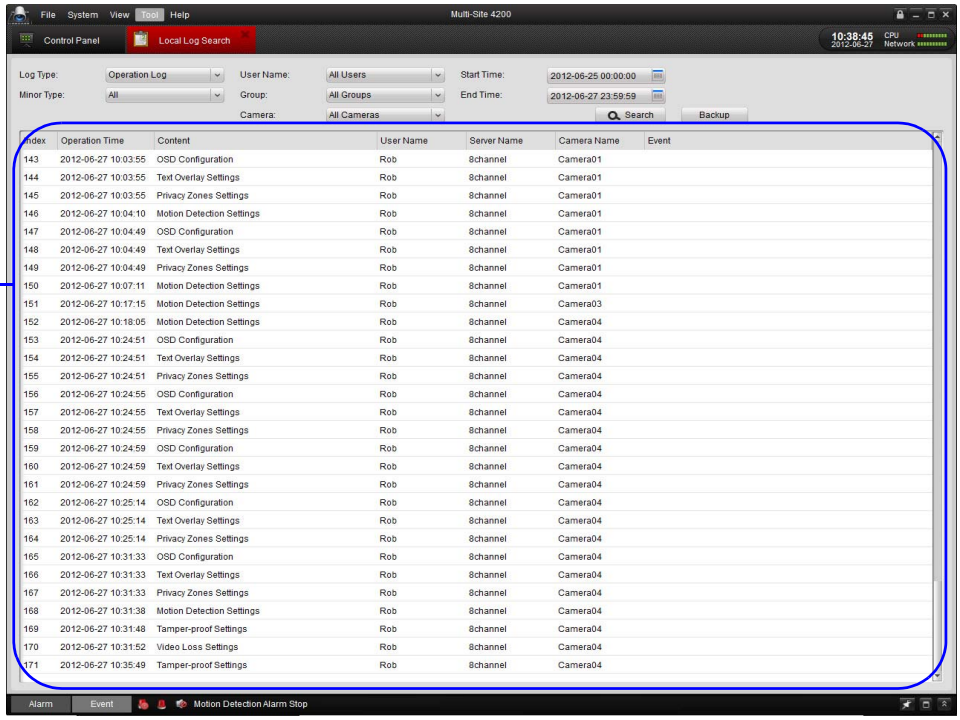
- Searching logs
- Opening logs
- Backing up logs.

Locally Searching Logs

1. Click **Local Log Search** 

on the control panel to enter the Local Log Management window.

Figure 5-1 Local Log Search Window


File System View Tool Help
Multi-Site 4200
Control Panel
Local Log Search
10:38:45
2012-06-27
CPU
Network
Log Type: Operation Log
User Name: All Users
Start Time: 2012-06-25 00:00:00
Minor Type: All
Group: All Groups
End Time: 2012-06-27 23:59:59
Camera: All Cameras
Search
Backup
Index | Operation Time | Content | User Name | Server Name | Camera Name | Event
143 | 2012-06-27 10:03:55 | OSD Configuration | Rob | 8channel | Camera01
144 | 2012-06-27 10:03:55 | Text Overlay Settings | Rob | 8channel | Camera01
145 | 2012-06-27 10:03:55 | Privacy Zones Settings | Rob | 8channel | Camera01
146 | 2012-06-27 10:04:10 | Motion Detection Settings | Rob | 8channel | Camera01
147 | 2012-06-27 10:04:49 | OSD Configuration | Rob | 8channel | Camera01
148 | 2012-06-27 10:04:49 | Text Overlay Settings | Rob | 8channel | Camera01
149 | 2012-06-27 10:04:49 | Privacy Zones Settings | Rob | 8channel | Camera01
150 | 2012-06-27 10:07:11 | Motion Detection Settings | Rob | 8channel | Camera01
151 | 2012-06-27 10:17:15 | Motion Detection Settings | Rob | 8channel | Camera03
152 | 2012-06-27 10:18:05 | Motion Detection Settings | Rob | 8channel | Camera04
153 | 2012-06-27 10:24:51 | OSD Configuration | Rob | 8channel | Camera04
154 | 2012-06-27 10:24:51 | Text Overlay Settings | Rob | 8channel | Camera04
155 | 2012-06-27 10:24:51 | Privacy Zones Settings | Rob | 8channel | Camera04
156 | 2012-06-27 10:24:55 | OSD Configuration | Rob | 8channel | Camera04
157 | 2012-06-27 10:24:55 | Text Overlay Settings | Rob | 8channel | Camera04
158 | 2012-06-27 10:24:55 | Privacy Zones Settings | Rob | 8channel | Camera04
159 | 2012-06-27 10:24:59 | OSD Configuration | Rob | 8channel | Camera04
160 | 2012-06-27 10:24:59 | Text Overlay Settings | Rob | 8channel | Camera04
161 | 2012-06-27 10:24:59 | Privacy Zones Settings | Rob | 8channel | Camera04
162 | 2012-06-27 10:25:14 | OSD Configuration | Rob | 8channel | Camera04
163 | 2012-06-27 10:25:14 | Text Overlay Settings | Rob | 8channel | Camera04
164 | 2012-06-27 10:25:14 | Privacy Zones Settings | Rob | 8channel | Camera04
165 | 2012-06-27 10:31:33 | OSD Configuration | Rob | 8channel | Camera04
166 | 2012-06-27 10:31:33 | Text Overlay Settings | Rob | 8channel | Camera04
167 | 2012-06-27 10:31:33 | Privacy Zones Settings | Rob | 8channel | Camera04
168 | 2012-06-27 10:31:38 | Motion Detection Settings | Rob | 8channel | Camera04
169 | 2012-06-27 10:31:48 | Tamper-proof Settings | Rob | 8channel | Camera04
170 | 2012-06-27 10:31:52 | Video Loss Settings | Rob | 8channel | Camera04
171 | 2012-06-27 10:35:49 | Tamper-proof Settings | Rob | 8channel | Camera04
Search results
Alarm
Event
Motion Detection Alarm Stop

2. Select values for **Log Type**, **Minor Type**, **User Name**, **Group**, **Camera** and the time window for the log you intend to search, then click **Search**.

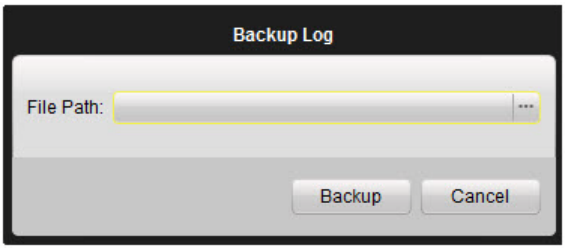
   Logs that match these criteria are listed on the display pane.

Backing Up Logs

You can back up logs that were found as a result of a search.

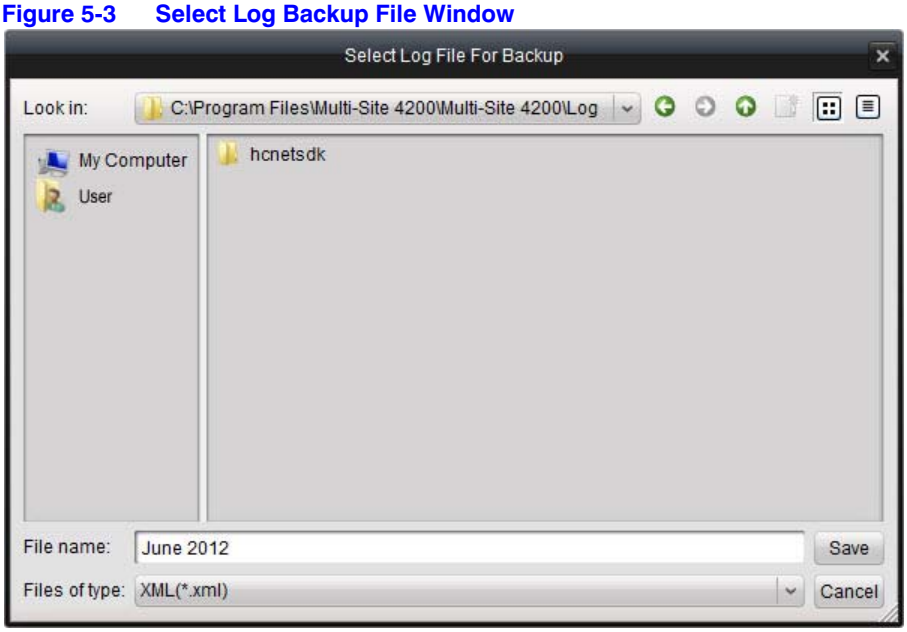
1. Click **Backup** on the **Local Log Search** tab. The **Backup Log** window appears.

Figure 5-2 Backup Log Dialog Window



2. Click ··· to select the save path on the **Backup Log** window, and enter a file name.

Figure 5-3 Select Log Backup File Window



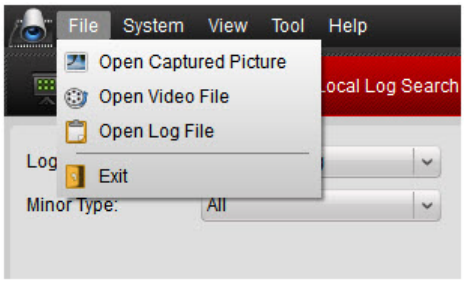
3. Click **Save** in the **Select Log Backup File window**, and then click **Backup** in the **Backup Log** window.

Opening Log Files

You can open log files that have been backed up to a local PC.

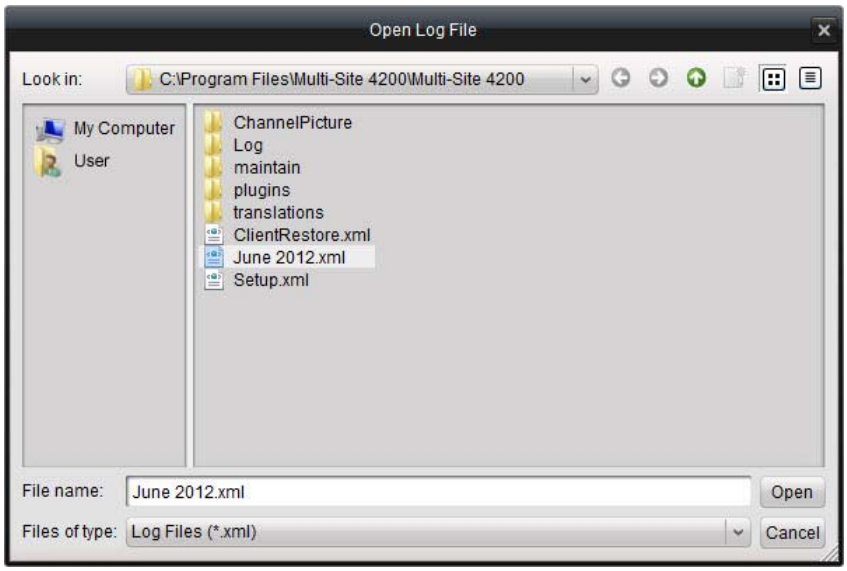
1. Naviagate to **File ➤ Open Log File** in the menu bar.

Figure 5-4 Navigating to Open Log File



2. Click ··· to browse the folderes where the log files are located.
3. Click Open to open a selected log file.

Figure 5-5 Opening a Log File



6

System Configuration

This chapter describes system configuration through the Multi-Site 4200 software. You can configure:

- General settings such as log keeping time, view scale, picture quality, network and CPU performance, and enable auto-login, screen toolbar display, and auto time adjustment
- the file saving path
- Alarm sound
- Email

General Configuration

On the General configuration page, you can configure the general settings for the local system.

Click **System Configuration** on the control panel to enter the system configuration window.

Figure 6-1 General System Configuration Screen

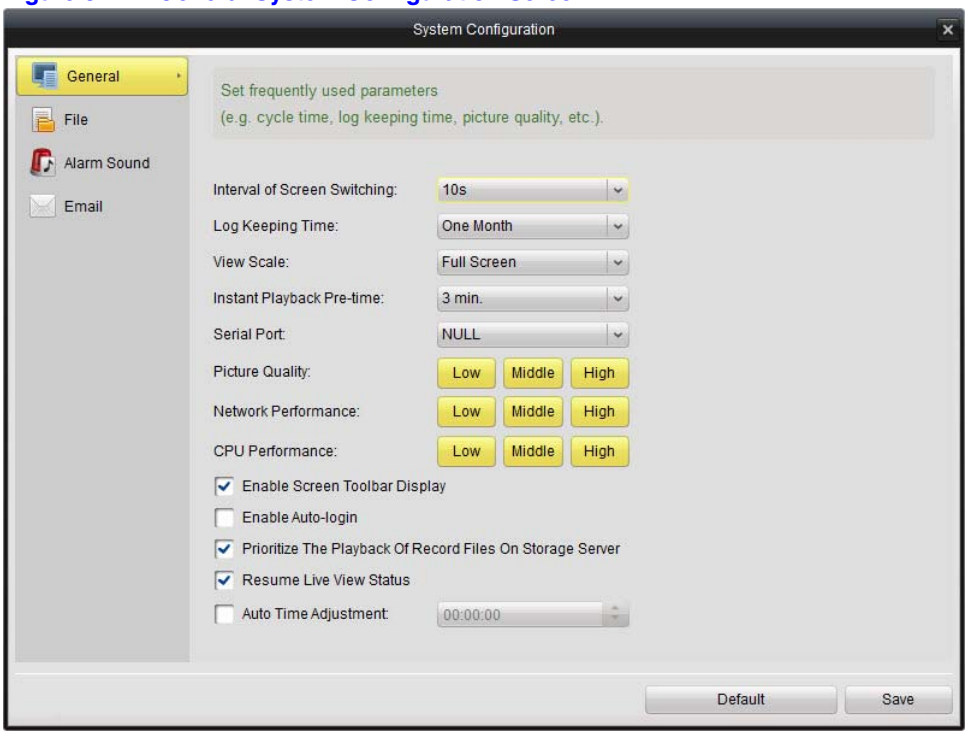


Table 6-1 describes the parameters that can be configured in the General System Configuration screen.

Table 6-1 General System Configurable Parameters

Parameter	Description
Interval of Screen Switching	Select the time interval (in seconds) for the screen switch. Used in live view.
Log Keeping Time	Choose the expiration time of the system logs.
View Scale	Choose from **Full Screen**, **4:3**, or **16:9**.
Instant Playback Pre-Time	Choose from **3min**, **5min**, or **10min**.
Serial Port	Choose from **Null**, **Com1**, **Com2**, **Com3**, **Com4**.
Picture Quality	Choose from **Low**, **Middle** or **High**.
Network Performance	Choose from **Low**, **Middle** or **High**.
CPU Performance	Choose from **Low**, **Middle** or **High**.
Enable Screen Toolbar Display	Choose to show the toolbar at the bottom of the window in preview and/or playback.
Enable Auto-login	Automatically login the software without user account validation.
Prioritize the Playback of Recorded Files on Storage Server	Assign priority to recorded files on the storage server during playback.
Resume Live View Status	Enable the resume live view status option.
Auto Time Adjustment	Set the time for automatically adjusting the time.

Figure 6-2 Example of a Fully Configured Playback Screen

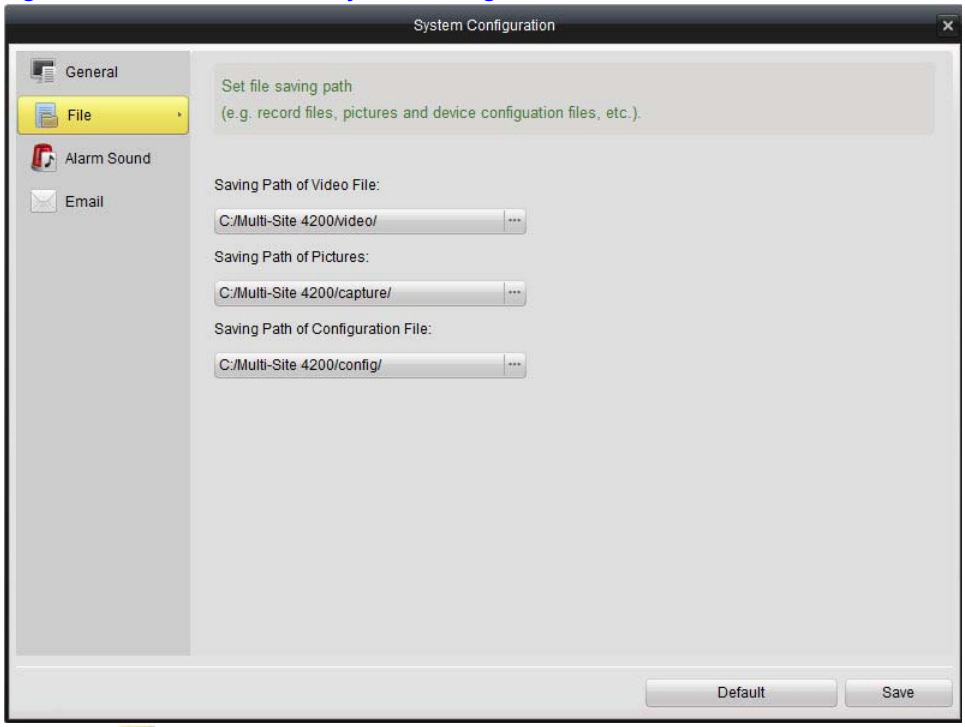
To finish general settings, click Save to save the changes or click Default to restore the default settings.

File Saving Path Configuration

You can set the saving paths to store video files, captured pictures and configuration files in the **File** configuration tab.

1. Click **File** on the System Configuration screen to open the File tab.

Figure 6-3 File Tab on the System Configuration Screen



2. Click each ... button to select the saving paths for .video files, pictures and configuration files.

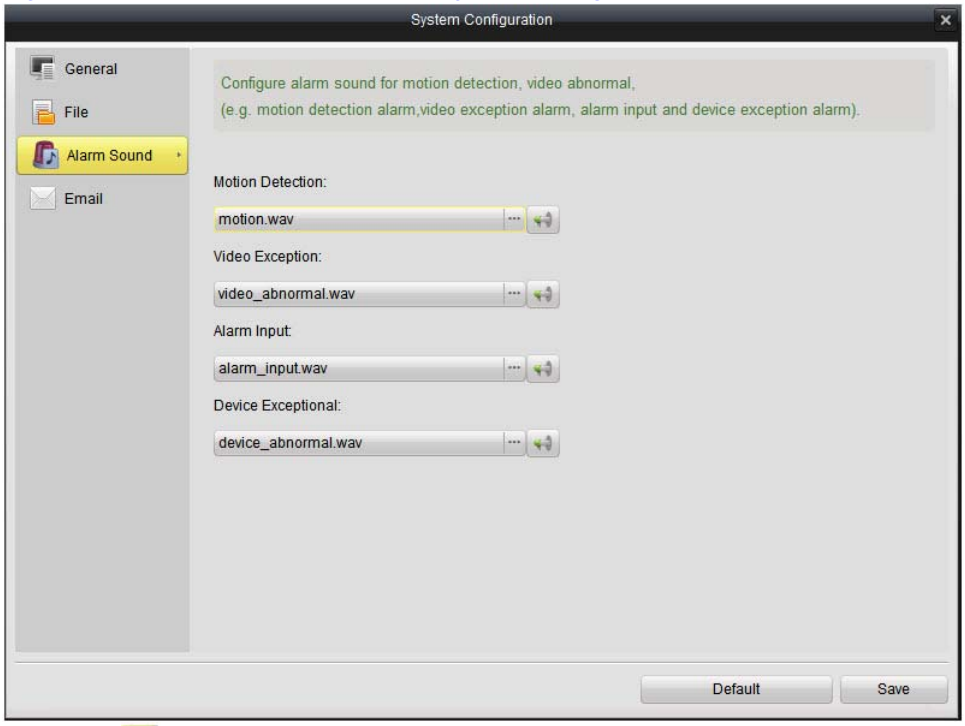
3. Click Save to save the changes or click Default to restore the default settings.

Alarm Sound Configuration

You can configure audio (.wav) files for alarms of motion detections, video exceptions, alarm inputs and device exceptions in the **Alarm Sound** tab.

1. Click **Alarm Sound** on the System Configuration screen to open the Alarm Sound tab.

Figure 6-4 Alarm Sound Tab on the System Configuration Screen



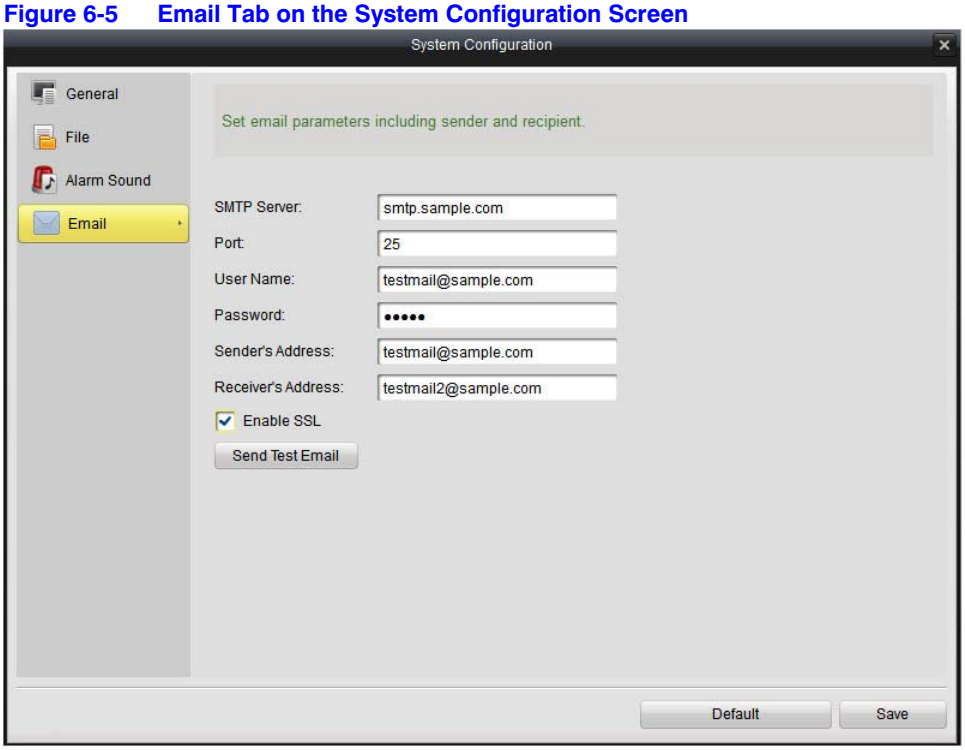
2. Click each ... button to open the file browser, and select an audio (.wav) file for the selected alarm type.
3. Click each button to listen to the selected file.
4. Click Save to save the changes or click Default to restore the default settings.

Email Configuration

You can set the SMTP server, and account information for the alarm actions of the client in the email configuration window.

1. Click **Email** on the System Configuration screen to open the Email tab.

Figure 6-5 Email Tab on the System Configuration Screen



2. Enter values for the **SMTP server**, **Port**, **User Name**, **Password**, **Sender's Address**, and **Receiver's Address**.
3. Click **Send Test Email** to check that the email configuration is correct.
4. Click Save to save the changes or click Default to restore the default settings.

A

Troubleshooting

This appendix describes possible solutions for resolving system malfunctions that may occur from time to time.

If this happens...	This might be the problem...	So try this...
The Live View for a device fails.	• Unstable or insufficient network performance. • The device might be offline. • Too many accesses to the remote device might result in too high of a load for the device. • The current user might not have permission for Live View. • The version of the client software might need to be upgraded.	• Check the network status and disable not-in-use processes on your PC. • Check the device's network status. • Restart the device or disable other remote access to the device. • Log in as the admin user and try again. • Download the newest version of the client software.
Normal recording and the remote recording are confused.	• We say **local recording** when we use the client software, it refers to the recording on the PC running the client. • **Remote recording** refers to the recording action commanded by the client on the device side, which stores the record files in the HDD of the device.	
Downloading the playback file either fails or is too slow.	• Unstable or insufficient network performance. • The NIC type is not compatible. • Too many accesses to the remote device might result in too high of a load for the device. • The current user might not have permission for playback. • The version of the client software might need to be upgraded.	• Check the network status and disable not-in-use processes on your PC. • Directly connect the PC running the client to the device to check the compatibility of the NIC card. • Restart the device or disable other remote access to the device. • Log in as the admin user and try again. • Download the newest version of the client software.

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